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Commercial Fertilizers, Commercial Feeds

and

Agricultural Liming Materials

STATE INSPECTION SERVICE
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INTRODUCTION

This bulletin contains the analyses, together with the guarantees and names of all samples of fertilizer, feed, and agricultural liming material collected from the Maryland market from January 1 to July 1, 1936. There is also included for the reader's information all definitions for feeding materials which have been adopted thus far by the Association of American Feed Control Officials. Mineral feed analyses, the results of dog food examinations, and cod liver oil assays are recent additions to the bulletin. In every locality in this State where fertilizers, feeds, and limes are sold, one or more of the brands listed may be obtained. This publication then may well act as a guide in helping the prospective purchaser select that commodity best suited to his needs. In all such purchasing it must be borne in mind that compliance by the manufacturer with all guarantees and warrantees on the label does not always indicate the quality of the material. The State Inspection Service cannot prevent the sale of a product if it is licensed and properly labeled and sold in accordance with regulatory laws. It is therefore highly important for the purchaser to use his judgment and be influenced more by merit and quality, than by price, when making a selection.

FERTILIZER ANALYSES

A detailed table showing results obtained in the examination of fertilizers from January 1, to July 1, 1936, is given on pages 6 to 35, inclusive.

When submitting applications for the registration of fertilizers, manufacturers are required to state the percentage of mineral and the percentage of organic nitrogen contained in each product. Each mixed fertilizer is chemically examined for these two forms of nitrogen and reports included herein. The following tolerances or variations from manufacturers' statements have been adopted by this Department.

Mixed fertilizers containing two per cent of nitrogen or less were allowed a tolerance of one-fourth of one per cent.

Mixed fertilizers containing three per cent of nitrogen a tolerance of one-third of one per cent.

Mixed fertilizers containing four per cent or more of nitrogen, one-half of one per cent.

All mixed goods exceeding these tolerances carry the statement, "Mineral and organic findings do not substantiate manufacturer's declaration."

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total FOUND	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral FOUND	NITROGEN (N) Organic Declared	NITROGEN (N) Organic FOUND	PHOSPHORIC ACID (P_2O_5) Insoluble FOUND	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available FOUND	POTASH (K_2O) Guaranteed	POTASH (K_2O) FOUND	Acidity A Basicity B FOUND
Acme Guano Co., Baltimore, Md.													
6-6-5	Jessups	6.00	**5.90**	----	----	----	----	**.60**	6.00	**7.10**	5.00	**5.04**	----
4-8-7	Vienna	4.00	**4.21**	3.20	**3.06**	.80	**1.15**	**.50**	8.00	**8.60**	7.00	**7.14**	**199** A
4-8-7	Bel Air	4.00	**4.11**	3.20	**3.44**	.80	**.67**	**.30**	8.00	**8.40**	7.00	**7.06**	**241** A
4-8-7	Jessups	4.00	**4.03**	----	----	----	----	**.70**	8.00	**8.10**	7.00	**7.45**	----
4-8-5	Vienna	4.00	**4.17**	3.20	**3.51**	.80	**.66**	**.40**	8.00	**8.20**	5.00	**5.12**	**225** A
4-8-5	Ellicott City	4.00	**4.02**	3.20	**3.55**	.80	**.47**	**.40**	8.00	**8.00**	5.00	**5.12**	**240** A
4-8-5	Jessups	4.00	**4.00**	----	----	----	----	**.70**	8.00	**8.00**	5.00	**5.35**	----
3-12-6	Vienna	3.00	**3.31**	2.40	**2.70**	.60	**.61**	**.80**	12.00	**11.80**	6.00	**6.00**	**116** A
‡Acme 3-8-10	Vienna	3.00	**3.14**	2.40	**2.53**	.60	**.61**	**.40**	8.00	**8.70**	10.00	**10.56**	**98** A
†2-12-4	Bel Air	2.00	**1.83**	1.60	**1.18**	.40	**.65**	**.60**	12.00	**13.10**	4.00	**4.40**	**33** B
Acme 2-9-5	Bel Air	2.00	**2.06**	1.60	**1.74**	.40	**.32**	**.60**	9.00	**9.20**	5.00	**5.32**	**56** A
‡Acme 2-9-5	Ellicott City	2.00	**2.01**	1.60	**1.77**	.40	**.24**	**.70**	9.00	**9.50**	5.00	**5.28**	**67** A
‡Acme 2-9-5	Reisterstown	2.00	**2.01**	1.60	**1.63**	.40	**.38**	**.50**	9.00	**9.00**	5.00	**5.32**	**41** A
2-8-10	Vienna	2.00	**2.16**	1.60	**1.68**	.40	**.48**	**.40**	8.00	**8.90**	10.00	**10.08**	**73** A
2-8-10	Jessups	2.00	**2.53**	----	----	----	----	**.60**	8.00	**8.10**	10.00	**10.00**	----
Nitrate of Soda	Jessups	16.00	**16.50**	----	----	----	----	----	----	----	----	----	----
‡Steamed Bone	Breathedsville	2.47	**2.85**	----	----	----	----	----	*23.00	***26.10**	----	----	----
0-12-5	Bel Air	----	----	----	----	----	----	**.50**	12.00	**12.90**	5.00	**5.28**	----
Agricultural Corp. of Maryland, Baltimore, Md.													
†Maryland Farm Bureau, 6-6-5	Baltimore	6.00	**6.08**	5.50	**4.02**	.50	**2.06**	**.50**	6.00	**6.50**	5.00	**5.00**	**186** A
Maryland Farm Bureau, 6-6-5	Baltimore	6.00	**5.84**	5.50	**5.18**	.50	**.66**	**.30**	6.00	**6.70**	5.00	**5.20**	**322** A
Maryland Farm Bureau, 6-6-5	Baltimore	6.00	**5.81**	5.50	**5.16**	.50	**.65**	**.30**	6.00	**7.10**	5.00	**5.12**	**341** A
Maryland Farm Bureau, 4-8-7	Baltimore	4.00	**4.03**	3.50	**3.31**	.50	**.72**	**.30**	8.00	**8.70**	7.00	**7.22**	**158** A
Maryland Farm Bureau, 4-8-5	Baltimore	4.00	**4.03**	3.50	**3.40**	.50	**.63**	**.60**	8.00	**8.50**	5.00	**5.20**	**156** A
Maryland Farm Bureau, 4-8-5	Baltimore	4.00	**4.04**	3.50	**3.55**	.50	**.49**	**.40**	8.00	**8.60**	5.00	**5.40**	**160** A
Maryland Farm Bureau, 3-12-6	Baltimore	3.00	**3.05**	2.50	**2.42**	.50	**.63**	**.50**	12.00	**12.90**	6.00	**6.52**	**168** A
Maryland Farm Bureau, 3-8-10	Baltimore	3.00	**2.99**	2.50	**2.25**	.50	**.74**	**.70**	8.00	**8.30**	10.00	**10.48**	**32** A
Maryland Farm Bureau, 2-12-6	Baltimore	2.00	**2.08**	1.50	**1.57**	.50	**.51**	**.80**	12.00	**12.20**	6.00	**6.13**	**62** A
Maryland Farm Bureau, 2-12-6	Baltimore	2.00	**2.13**	1.50	**1.50**	.50	**.63**	**.70**	12.00	**12.50**	6.00	**6.30**	**21** A
Maryland Farm Bureau, 2-12-6	Baltimore	2.00	**2.06**	1.50	**1.68**	.50	**.38**	**1.30**	12.00	**12.40**	6.00	**6.29**	**46** A
Maryland Farm Bureau, 2-12-4	Baltimore	2.00	**2.16**	1.50	**1.24**	.50	**.92**	**1.40**	12.00	**12.10**	4.00	**4.42**	**48** B
Maryland Farm Bureau, 2-12-4	Baltimore	2.00	**2.04**	1.50	**1.43**	.50	**.61**	**.50**	12.00	**12.40**	4.00	**4.04**	**53** A
Maryland Farm Bureau, 2-12-4	Baltimore	2.00	**2.12**	1.50	**1.47**	.50	**.65**	**.60**	12.00	**12.50**	4.00	**4.19**	**52** B

Maryland Farm Bureau, 3-8-10	Baltimore	2.00	2.08	1.50	1.57	.50	.51	.80	12.00	12.20	6.00	6.13	62	A
Maryland Farm Bureau, 2-12-6	Baltimore	2.00	2.13	1.50	1.50	.50	.63	.70	12.00	12.50	6.00	6.30	21	A
Maryland Farm Bureau, 2-12-6	Baltimore	2.00	2.06	1.50	1.68	.50	.38	1.30	12.00	12.40	6.00	6.29	46	A
Maryland Farm Bureau, 2-12-6	Baltimore	2.00	2.16	1.50	1.24	.50	.92	1.40	12.00	12.10	4.00	4.42	48	B
Maryland Farm Bureau, 2-12-4	Baltimore	2.00	2.04	1.50	1.43	.50	.61	.50	12.00	12.40	4.00	4.04	53	A
Maryland Farm Bureau, 2-12-4	Baltimore	2.00	2.12	1.50	1.47	.50	.65	.60	12.00	12.50	4.00	4.19	52	B
Maryland Farm Bureau, 2-12-4	Baltimore	2.00	2.19	1.50	1.64	.50	.55	.40	9.00	9.10	5.00	5.35	54	A
Maryland Farm Bureau, 2-9-5	Baltimore	2.00	2.11	1.50	1.40	.50	.71	.50	8.00	8.40	10.00	10.08	26	B
Maryland Farm Bureau, 2-8-10	Baltimore	2.00	2.20	1.50	1.64	.50	.56	.30	8.00	8.10	10.00	9.94	33	A
Maryland Farm Bureau, 2-8-10	Baltimore	----	----	----	----	----	----	1.50	12.00	12.20	5.00	5.28	----	
Maryland Farm Bureau, 0-12-5	Baltimore	----	----	----	----	----	----	.70	16.00	16.50	----	----	----	
Maryland Farm Bureau, 16% Superphosphate	Baltimore													
American Agricultural Chemical Co., Baltimore, Md.														
Slingluff's 10% Top Dresser-Sulphate, 10-5-2	Baltimore	10.00	10.04	9.00	9.14	1.00	.90	.40	5.00	5.40	2.00	2.21	734	A
Slingluff's 10% Top Dresser-Sulphate, 10-5-2	Owings	10.00	10.14	9.00	9.19	1.00	.95	.20	5.00	5.40	2.00	2.17	663	A
Slingluff's 10% Top Dresser-Sulphate, 10-5-2	Upper Marlboro	10.00	10.16	9.00	8.81	1.00	1.35	.30	5.00	5.50	2.00	2.13	767	A
Slingluff's 10% Top Dresser-Sulphate, 10-5-2	Baltimore	10.00	9.98	9.00	8.91	1.00	1.07	.40	5.00	5.40	2.00	2.10	722	A
Slingluff's 10% Top Dresser-Sulphate, 10-5-2	Baltimore	10.00	10.25	9.00	9.39	1.00	.86	.30	5.00	5.70	2.00	2.32	761	A
AA. Tobacco Plant Bed Fertilizer-Sulphate, 8-5-2	Baltimore	8.00	8.18	7.20	7.08	.80	1.10	.40	5.00	5.40	2.00	2.29	538	A
AA. Tobacco Plant Bed Fertilizer-Sulphate, 8-5-2	Baltimore	8.00	8.05	7.20	7.07	.80	.98	.40	5.00	5.60	2.00	2.36	513	A
AA. Tobacco Plant Bed Fertilizer-Sulphate, 8-5-2	Baltimore	8.00	8.19	7.20	7.28	.80	.91	.40	5.00	5.30	2.00	2.40	588	A
Agrico for Lawns, Trees and Shrubs, 7-6-6	Hyattsville	7.00	7.00	6.30	6.33	.70	.67	.40	6.00	6.40	6.00	6.29	506	A
Agrico for Lawns, Trees and Shrubs, 7-6-6	Silver Spring	7.00	6.88	6.30	6.00	.70	.88	.50	6.00	6.00	6.00	6.21	505	A
AA. Tobacco Bed Fertilizer-Sulphate, 6-6-8	Waldorf	6.00	6.25	5.40	5.41	.60	.84	.50	6.00	6.80	8.00	8.40	312	A
AA. Tobacco Bed Fertilizer-Sulphate, 6-6-8	Baltimore	6.00	6.25	5.40	5.14	.60	1.11	.40	6.00	6.80	8.00	8.44	309	A
AA. Tobacco Bed Fertilizer-Sulphate, 6-6-8	Baltimore	6.00	6.00	5.40	5.00	.60	1.00	.40	6.00	7.10	8.00	8.32	300	A
AA. Trucker's Favorite, 6-6-5	Baltimore	6.00	5.50	4.50	4.28	1.50	1.22	.70	6.00	7.00	5.00	5.28	271	A
AA. Trucker's Favorite, 6-6-5	Baltimore	6.00	5.80	4.50	4.48	1.50	1.32	.40	6.00	6.00	5.00	5.35	293	A
Detrick's Gold Basis Fertilizer, 6-6-5	Salisbury	6.00	6.00	3.60	3.38	2.40	2.62	.60	6.00	6.40	5.00	5.59	66	A
Agrico for Truck, 5-10-5	Baltimore	5.00	5.12	3.75	4.04	1.25	1.08	1.40	10.00	10.30	5.00	5.30	188	A
Agrico for Truck, 5-10-5	Baltimore	5.00	4.98	3.75	3.73	1.25	1.25	.70	10.00	10.80	5.00	5.12	213	A
Agrico for Truck, 5-10-5	Baltimore	5.00	5.00	3.75	3.87	1.25	1.13	.70	10.00	11.00	5.00	5.04	84	A
Agrico for Tobacco-Sulphate, 5-8-10	Baltimore	5.00	5.01	3.75	3.30	1.25	1.71	.50	8.00	8.70	10.00	10.60	128	A
Agrico for Tobacco-Sulphate, 5-8-10	Baltimore	5.00	5.01	3.75	3.85	1.25	1.16	.40	8.00	8.90	10.00	10.30	195	A
AA. Prince George Tobacco Fert.-Sulphate, 4-8-12	Baltimore	4.00	4.04	3.00	3.05	1.00	.99	.60	8.00	8.40	12.00	12.04	206	A
AA. Prince George Tobacco Fert.-Sulphate, 4-8-12	Baltimore	4.00	4.09	3.00	3.09	1.00	1.00	.60	8.00	8.80	12.00	12.40	228	A
AA. Red Leaf Tobacco Fertilizer-Sulphate, 4-8-10	Baltimore	4.00	4.00	3.00	3.07	1.00	.93	.60	8.00	8.90	10.00	10.24	195	A
AA. Red Leaf Tobacco Fertilizer-Sulphate, 4-8-10	Baltimore	4.00	4.00	3.00	3.05	1.00	.95	.70	8.00	8.90	10.00	10.32	208	A
AA. Golden Leaf Tobacco Fertilizer-Sulphate, 4-8-7	Baltimore	4.00	3.99	3.00	2.72	1.00	1.27	.70	8.00	8.70	7.00	7.00	157	A
AA. Golden Leaf Tobacco Fertilizer-Sulphate, 4-8-7	Baltimore	4.00	4.02	3.00	2.98	1.00	1.04	.90	8.00	8.90	7.00	7.45	214	A
AA. Golden Leaf Tobacco Fertilizer-Sulphate, 4-8-7	Baltimore	4.00	3.97	3.00	2.89	1.00	1.08	.80	8.00	8.40	7.00	7.14	180	A
Agrico for Potatoes, 4-8-7	Baltimore	4.00	4.13	3.00	3.31	1.00	.82	1.00	8.00	8.30	7.00	7.33	140	A
†Agrico for Potatoes, 4-8-7	Friendsville	4.00	4.02	3.00	3.64	1.00	.38	2.20	8.00	7.30	7.00	7.00	155	A
†Agrico for Potatoes, 4-8-7	Baltimore	4.00	4.00	3.00	3.58	1.00	.42	2.00	8.00	7.30	7.00	7.15	174	A
AA. Early Trucker Fertilizer, 4-8-5	Baltimore	4.00	4.13	3.00	3.06	1.00	1.07	.70	8.00	8.70	5.00	5.44	202	A

‡Not Licensed at time of Sale. †Mineral and Organic findings do not substantiate manufacturers declaration. *Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total FOUND	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral FOUND	NITROGEN (N) Organic Declared	NITROGEN (N) Organic FOUND	PHOSPHORIC ACID (P_2O_5) Insoluble FOUND	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available FOUND	POTASH (K_2O) Guaranteed	POTASH (K_2O) FOUND	Acidity A Basicity B FOUND
American Agricultural Chemical Co., Baltimore,	**Md.** (Continued)												
Agrico for Corn, 3-12-6	Baltimore	3.00	**3.06**	2.25	**2.32**	.75	**.74**	**1.40**	12.00	**11.80**	6.00	**6.21**	**74** A
Agrico for Corn, 3-12-6	Friendsville	3.00	**2.99**	2.25	**2.30**	.75	**.69**	**1.40**	12.00	**12.10**	6.00	**6.36**	**142** A
Agrico for Corn, 3-12-6	Taneytown	3.00	**3.05**	2.25	**2.29**	.75	**.76**	**.80**	12.00	**12.90**	6.00	**6.13**	**87** A
Agrico for Tomatoes, 3-12-6	Baltimore	3.00	**3.00**	2.25	**2.13**	.75	**.87**	**1.00**	12.00	**12.40**	6.00	**6.13**	**100** A
Agrico for Tomatoes, 3-12-6	Baltimore	3.00	**3.12**	2.25	**2.33**	.75	**.79**	**1.60**	12.00	**11.60**	6.00	**6.21**	**121** A
Agrico for Tomatoes, 3-12-6	Baltimore	3.00	**3.12**	2.25	**2.36**	.75	**.76**	**1.30**	12.00	**12.40**	6.00	**6.21**	**113** A
Agrico for Sweet Potatoes, 3-8-10	Baltimore	3.00	**3.09**	2.25	**2.30**	.75	**.79**	**1.00**	8.00	**8.60**	10.00	**10.08**	**33** A
Agrico for Grain, 2-12-4	Baltimore	2.00	**2.01**	1.50	**1.50**	.50	**.51**	**.90**	12.00	**12.40**	4.00	**4.28**	**8** B
AA. Farmers Friend Fertilizer, 2-12-4	Baltimore	2.00	**1.99**	1.50	**1.45**	.50	**.54**	**.70**	12.00	**12.50**	4.00	**4.26**	**116** A
AA. Farmers Friend Fertilizer, 2-12-4	Baltimore	2.00	**2.01**	1.50	**1.47**	.50	**.54**	**.90**	12.00	**12.20**	4.00	**4.22**	**102** A
AA. Farmers Friend Fertilizer, 2-12-4	Accident	2.00	**2.04**	1.50	**1.47**	.50	**.57**	**.90**	12.00	**12.30**	4.00	**4.20**	**55** A
AA. Kangaroo Komplete Kompound, 2-10-4	Baltimore	2.00	**2.08**	1.50	**1.67**	.50	**.41**	**.90**	10.00	**10.90**	4.00	**4.36**	**84** A
AA. Kangaroo Komplete Kompound, 2-10-4	Accident	2.00	**2.02**	1.50	**1.57**	.50	**.45**	**.80**	10.00	**10.50**	4.00	**4.38**	**90** A
Listers Harvest Queen, 2-9-5	Baltimore	2.00	**2.06**	1.50	**1.43**	.50	**.63**	**1.10**	9.00	**9.20**	5.00	**5.24**	**90** A
AA. Red Dog Fertilizer, 2-9-5	Baltimore	2.00	**1.99**	1.50	**1.49**	.50	**.50**	**.90**	9.00	**9.50**	5.00	**5.34**	**41** A
AA. Red Dog Fertilizer, 2-9-5	Baltimore	2.00	**2.02**	1.50	**1.45**	.50	**.57**	**.90**	9.00	**9.60**	5.00	**5.42**	**102** A
AA. Red Dog Fertilizer, 2-9-5	Baltimore	2.00	**1.98**	1.50	**1.41**	.50	**.57**	**.80**	9.00	**9.20**	5.00	**5.28**	**49** A
AA. Silk Leaf Tobacco Fertilizer-Sulphate, 2-8-10	Baltimore	2.00	**2.02**	1.50	**1.43**	.50	**.59**	**.80**	8.00	**8.60**	10.00	**10.24**	**120** A
AA. Silk Leaf Tobacco Fertilizer-Sulphate, 2-8-10	Baltimore	2.00	**2.32**	1.50	**1.80**	.50	**.52**	**.70**	8.00	**8.60**	10.00	**10.40**	**58** A
AA. Silk Leaf Tobacco Fertilizer-Sulphate, 2-8-10	Baltimore	2.00	**1.99**	1.50	**1.39**	.50	**.60**	**.90**	8.00	**8.80**	10.00	**10.40**	**101** A
AA. Old Hickory Fertilizer, 2-8-10	Baltimore	2.00	**2.08**	1.50	**1.46**	.50	**.62**	**.80**	8.00	**8.40**	10.00	**10.16**	**72** A
AA. Old Hickory Fertilizer, 2-8-10	Baltimore	2.00	**1.92**	1.50	**1.31**	.50	**.61**	**.70**	8.00	**8.30**	10.00	**10.86**	**74** A
AA. Acme Fertilizer, 1-10-5	Baltimore	1.00	**1.14**	.75	**.63**	.25	**.51**	**1.10**	10.00	**10.30**	5.00	**5.28**	**33** B
AA. Acme Fertilizer, 1-10-5	Baltimore	1.00	**1.18**	.75	**.67**	.25	**.51**	**1.00**	10.00	**10.50**	5.00	**5.12**	**45** B
AA. Acme Fertilizer, 1-10-5	Baltimore	1.00	**1.17**	.75	**.66**	.25	**.51**	**.90**	10.00	**10.30**	5.00	**5.31**	**8** B
Fine Ground Bone	Baltimore	2.47	**2.58**	----	----	----	----	----	*23.00	***24.30**	----	----	----
Pulverized Sheep and Goat Manure	Baltimore	1.25	**1.83**	----	----	----	----	----	*1.00	***1.10**	2.00	**3.65**	----
AA. Victory Mixture, 0-12-5	Baltimore	----	----	----	----	----	----	**.90**	12.00	**12.20**	5.00	**5.04**	----
AA. Victory Mixture, 0-12-5	Taneytown	----	----	----	----	----	----	**.80**	12.00	**12.40**	5.00	**5.16**	----
Muriate of Potash, 0-0-50	Baltimore	----	----	----	----	----	----	----	----	----	50.00	**51.20**	----
AA. Kainit, 0-0-20	Baltimore	----	----	----	----	----	----	----	----	----	20.00	**20.36**	----
AA. Superphosphate, 0-16-0	Baltimore	----	----	----	----	----	----	**1.30**	16.00	**16.90**	----	----	----
AA. Superphosphate, 0-16-0	Baltimore	---	----	----	----	----	----	**1.00**	16.00	**16.90**	----	----	----
AA. Superphosphate, 0-16-0	Baltimore							**1.50**	16.00	**17.30**			

AA. Victory Mixture, 0-12-5	Taneytown	----	----	----	----	----	----	.80	12.00	12.40	5.00	5.16	----
Muriate of Potash, 0-0-50	Baltimore	----	----	----	----	----	----	----	----	----	50.00	51.20	----
AA. Kainit, 0-0-20	Baltimore	----	----	----	----	----	----	----	----	----	20.00	20.36	----
AA. Superphosphate, 0-16-0	Baltimore	----	----	----	----	----	----	1.30	16.00	16.90	----	----	----
AA. Superphosphate, 0-16-0	Baltimore	----	----	----	----	----	----	1.00	16.00	16.90	----	----	----
AA. Superphosphate, 0-16-0	Baltimore	----	----	----	----	----	----	1.50	16.00	17.30	----	----	----
AA. Superphosphate, 0-16-0	Baltimore	----	----	----	----	----	----	1.90	16.00	16.10	----	----	----
AA. Basic Lime Phosphate, 0-16-0	Baltimore	----	----	----	----	----	----	1.00	16.00	16.10	----	----	----
AA. Basic Lime Phosphate, 0-16-0	Baltimore	----	----	----	----	----	----	1.30	16.00	16.60	----	----	----
AA. Basic Lime Phosphate, 0-16-0	Accident	----	----	----	----	----	----	1.30	16.00	16.30	----	----	----
American Cyanamid Co., New York, N. Y.													
21% "Aero" Cyanamid Granular	Baltimore	21.00	21.12	----	----	----	----	----	----	----	----	----	----
Armour Fertilizer Works, Baltimore, Md.													
†Armour's Special Top Dresser, 10-5-2	Baltimore	10.00	9.55	9.00	8.23	1.00	1.32	.30	5.00	5.40	2.00	2.42	195 A
†Armour's Special Top Dresser, 10-5-2	Clinton	10.00	9.80	9.00	8.45	1.00	1.35	.30	5.00	5.00	2.00	2.32	94 A
Armour's Special Top Dresser, 10-5-2	Faulkner	10.00	9.79	9.00	8.56	1.00	1.23	.20	5.00	5.20	2.00	2.32	281 A
Armour's Special Top Dresser, 8-5-2	Baltimore	8.00	8.01	7.20	6.87	.80	1.14	.30	5.00	5.20	2.00	2.44	60 B
†Armour's Special Top Dresser, 8-5-2	Baltimore	8.00	7.59	7.20	6.25	.80	1.34	.40	5.00	5.10	2.00	2.28	16 B
‡†Armour's Special Top Dresser, 6-6-8	Faulkner	6.00	6.00	5.40	4.14	.60	1.86	.20	6.00	6.80	8.00	8.00	115 A
Armour's Big Crop Fertilizer, 6-6-5	Baltimore	6.00	5.59	3.60	3.16	2.40	2.43	.30	6.00	6.40	5.00	5.16	66 B
Armour's Big Crop Fertilizer, 6-6-5	Baltimore	6.00	6.04	3.60	3.42	2.40	2.62	.30	6.00	6.00	5.00	5.40	18 B
Armour's Big Crop Fertilizer, 6-6-5	Baltimore	6.00	6.00	3.60	3.64	2.40	2.36	.30	6.00	6.30	5.00	5.40	32 B
†Armour's Big Crop Fertilizer, 5-10-5	Baltimore	5.00	4.72	3.75	3.22	1.25	1.50	.40	10.00	10.10	5.00	7.22	85 A
Armour's Big Crop Fertilizer, 5-10-5	Baltimore	5.00	5.05	3.75	3.69	1.25	1.36	.40	10.00	10.50	5.00	5.40	76 A
Armour's Special Tobacco Grower, 4-8-12	Baltimore	4.00	4.07	3.00	2.54	1.00	.53	.30	8.00	8.80	12.00	12.06	19 A
Armour's Big Crop Fertilizer, 4-8-10	Baltimore	4.00	4.00	3.00	2.72	1.00	1.28	.40	8.00	8.30	10.00	10.40	21 B
Armour's Big Crop Fertilizer, 4-8-10	Baltimore	4.00	4.14	3.00	2.88	1.00	1.26	.20	8.00	8.00	10.00	10.44	11 B
Armour's Big Crop Fertilizer, 4-8-7	Baltimore	4.00	3.99	3.00	2.60	1.00	1.39	.30	8.00	8.80	7.00	7.45	16 A
Armour's Big Crop Fertilizer, 4-8-7	Baltimore	4.00	4.00	3.00	2.72	1.00	1.28	.40	8.00	8.40	7.00	7.29	11 B
Armour's Big Crop Fertilizer, 4-8-7	Baltimore	4.00	4.10	3.00	2.77	1.00	1.33	.30	8.00	8.50	7.00	7.40	10 A
Armour's Big Crop Fertilizer, 4-8-7	Baltimore	4.00	4.07	3.00	2.89	1.00	1.18	.40	8.00	8.00	7.00	8.00	29 B
Armour's Big Crop Fertilizer, 4-8-7	Baltimore	4.00	4.17	3.00	2.95	1.00	1.22	.30	8.00	8.10	7.00	8.24	7 B
†Armour's Special Tobacco Grower, 4-8-7	Baltimore	4.00	4.00	3.00	2.39	1.00	1.61	.20	8.00	8.60	7.00	7.14	26 B
Armour's Big Crop Fertilizer, 4-8-5	Baltimore	4.00	3.98	2.40	2.29	1.60	1.69	.40	8.00	8.70	5.00	5.24	2 B
Armour's Big Crop Fertilizer, 4-8-5	Baltimore	4.00	4.00	2.40	2.19	1.60	1.81	.40	8.00	8.20	5.00	5.24	11 B
Armour's Big Crop Fertilizer, 4-8-5	Baltimore	4.00	3.99	2.40	2.31	1.60	1.68	.30	8.00	8.30	5.00	5.20	6 A
Armour's Big Crop Fertilizer, 4-8-5	Baltimore	4.00	3.89	2.40	2.14	1.60	1.75	.30	8.00	8.20	5.00	5.44	77 B
Armour's Big Crop Fertilizer, 4-8-5	Baltimore	4.00	3.98	2.40	2.23	1.60	1.75	.50	8.00	7.80	5.00	5.35	39 B
Armour's Big Crop Fertilizer, 3-12-6	Baltimore	3.00	3.00	2.25	1.96	.75	1.04	.30	12.00	12.20	6.00	6.60	31 A
Armour's Big Crop Fertilizer, 3-12-6	Baltimore	3.00	3.02	2.25	2.04	.75	.98	.30	12.00	12.30	6.00	6.50	42 A
Armour's Big Crop Fertilizer, 3-8-10	Baltimore	3.00	3.14	2.25	2.00	.75	1.14	.30	8.00	8.00	10.00	10.18	16 A
Armour's Big Crop Fertilizer, 3-8-10	Baltimore	3.00	3.10	2.25	2.17	.75	.93	.30	8.00	8.20	10.00	10.00	15 B

†Mineral and Organic findings do not substantiate manufacturers declaration. ‡Not Licensed at time of Sale. *Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total FOUND	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral FOUND	NITROGEN (N) Organic Declared	NITROGEN (N) Organic FOUND	PHOSPHORIC ACID (P_2O_5) Insoluble FOUND	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available FOUND	POTASH (K_2O) Guaranteed	POTASH (K_2O) FOUND	Acidity A Basicity B FOUND
Armour Fertilizer Works, Baltimore, Md. (Cont'd)													
Armour's Big Crop Fertilizer, 3-8-10	Baltimore	3.00	**2.99**	2.25	**2.09**	.75	**.90**	**.30**	8.00	**8.10**	10.00	**11.64**	**9 B**
Armour's Big Crop Fertilizer, 3-8-10	Baltimore	3.00	**3.06**	2.25	**2.06**	.75	**1.00**	**.40**	8.00	**8.00**	10.00	**10.44**	**52 B**
Armour's Big Crop Fertilizer, 2-9-5	Baltimore	2.00	**2.08**	1.50	**1.40**	.50	**.68**	**.40**	9.00	**9.40**	5.00	**5.04**	----
†Armour's Big Crop Fertilizer, 2-8-10	Baltimore	2.00	**1.99**	1.50	**1.24**	.50	**.75**	**.40**	8.00	**8.20**	10.00	**11.02**	**33 B**
Armour's Special Tobacco Grower, 2-8-10	Baltimore	2.00	**2.12**	1.50	**1.29**	.50	**.83**	**.30**	8.00	**8.00**	10.00	**10.40**	**20 A**
Armour's Sulphate of Ammonia, 20.50-0-0	Baltimore	20.50	**20.52**	----	----	----	----	----	----	----	----	----	----
Armour's Raw Bone Meal, 3.70-T.P.A.21.50-0	Baltimore	3.70	**4.14**	----	----	----	----	----	*21.50	***22.80**	----	----	----
‡Pure Ground Fish, 9-0-0	Baltimore	9.00	**8.78**	----	----	----	----	----	----	----	----	----	----
Armour's Ground Tankage, 6-0-0	Baltimore	6.00	**6.22**	----	----	----	----	----	----	----	----	----	----
Armour's Big Crop Fertilizer, 0-10-10	Baltimore	----	----	----	----	----	----	**.30**	10.00	**10.60**	10.00	**10.08**	----
Armour's Big Crop Fertilizer, 0-12-5	Baltimore	----	----	----	----	----	----	**.30**	12.00	**12.20**	5.00	**5.04**	----
Baltimore Fertilizer Co., Baltimore, Md.													
Honest Tobacco Bed Mixture, 8-5-2	La Plata	8.00	**8.18**	7.25	**7.68**	.75	**.50**	**.20**	5.00	**5.40**	2.00	**2.40**	**653 A**
Honest 4-8-7	Fallston	4.00	**4.04**	3.40	**3.34**	.60	**.70**	**.30**	8.00	**8.20**	7.00	**8.40**	**258 A**
Honest 4-8-5	Glyndon	4.00	**3.88**	3.40	**3.07**	.60	**.81**	**.30**	8.00	**9.30**	5.00	**5.00**	**143 A**
Honest 4-8-5	Bel Air	4.00	**4.07**	3.40	**3.34**	.60	**.73**	**.30**	8.00	**9.30**	5.00	**6.05**	**239 A**
Honest 4-8-5	Glyndon	4.00	**3.71**	3.40	**3.05**	.60	**.66**	**.20**	8.00	**9.40**	5.00	**5.50**	**103 A**
Honest 4-8-5	Baltimore	4.00	**3.99**	3.40	**3.29**	.60	**.70**	**.50**	8.00	**8.40**	5.00	**5.04**	**171 A**
Honest 4-8-5	Baltimore	4.00	**3.83**	3.40	**3.17**	.60	**.66**	**.40**	8.00	**8.10**	5.00	**5.04**	**163 A**
Honest 4-8-5	La Plata	4.00	**3.99**	3.40	**3.23**	.60	**.76**	**.50**	8.00	**8.70**	5.00	**5.28**	**81 A**
Honest 2-12-4	Bel Air	2.00	**2.32**	1.40	**1.87**	.60	**.45**	**.40**	12.00	**13.20**	4.00	**4.34**	**129 A**
Honest 2-9-5	Glyndon	2.00	**1.99**	1.40	**1.36**	.60	**.63**	**.40**	9.00	**10.60**	5.00	**5.28**	**33 B**
Honest 2-9-5	Baltimore	2.00	**2.06**	1.40	**1.21**	.60	**.85**	**.50**	9.00	**9.00**	5.00	**5.28**	**87 B**
Honest 2-9-5	Baltimore	2.00	**2.01**	1.40	**1.22**	.60	**.79**	**.40**	9.00	**9.00**	5.00	**5.04**	**72 B**
Honest 2-9-5	Bel Air	2.00	**2.60**	1.40	**1.80**	.60	**.80**	**.20**	9.00	**9.70**	5.00	**6.83**	**4 A**
Honest 2-9-5	Fallston	2.00	**2.50**	1.40	**1.88**	.60	**.62**	**.40**	9.00	**9.20**	5.00	**6.60**	**55 A**
Honest 2-9-5	Glyndon	2.00	**2.04**	1.40	**1.43**	.60	**.61**	**.40**	9.00	**9.80**	5.00	**5.24**	**101 B**
Honest 2-9-5	Baltimore	2.00	**2.19**	1.40	**1.66**	.60	**.53**	**.40**	9.00	**9.20**	5.00	**5.20**	**24 A**
Honest 2-8-10 Sulphate Potash	Baltimore	2.00	**2.13**	1.40	**1.66**	.60	**.47**	**.50**	8.00	**8.10**	10.00	**10.24**	**15 B**
Honest 2-8-10	Glyndon	2.00	**2.05**	1.40	**1.39**	.60	**.66**	**.20**	8.00	**8.80**	10.00	**10.24**	**14 A**
Honest 2-8-10	Fallston	2.00	**2.98**	1.40	**2.32**	.60	**.66**	**.30**	8.00	**8.80**	10.00	**9.48**	**112 A**
Honest 2-8-10	Bel Air	2.00	**2.51**	1.40	**1.66**	.60	**.85**	**.30**	8.00	**8.40**	10.00	**10.08**	**54 A**

Honest 2-8-10	Glyndon	2.00	**2.05**	1.40	**1.39**	.60	**.66**	**.20**	8.00	**8.80**	10.00	**10.24**	**14 A**

Honest 2-8-10	Fallston	2.00	**2.98**	1.40	**2.32**	.60	**.66**	**.30**	8.00	**8.80**	10.00	**9.48**	**112 A**
Honest 2-8-10	Bel Air	2.00	**2.51**	1.40	**1.66**	.60	**.85**	**.30**	8.00	**8.40**	10.00	**10.08**	**54 A**
Honest 2-8-10	Baltimore	2.00	**2.02**	1.40	**1.61**	.60	**.41**	**.50**	8.00	**7.80**	10.00	**10.40**	**9 B**
Honest 2-8-10	Glyndon	2.00	**1.99**	1.40	**1.43**	.60	**.56**	**.20**	8.00	**8.50**	10.00	**10.60**	**8 B**
Honest 1-10-5	Glyndon	1.00	**1.24**	.40	**.81**	.60	**.43**	**.20**	10.00	**11.30**	5.00	**5.67**	**145 B**
Honest 1-10-5	Glyndon	1.00	**1.15**	.40	**.66**	.60	**.49**	**.30**	10.00	**10.70**	5.00	**5.70**	**135 B**
Honest 0-12-5	Bel Air	----	----	----	----	----	----	**.70**	12.00	**15.70**	5.00	**6.75**	----
Honest 16% Superphosphate	Fallston	----	----	----	----	----	----	**.70**	16.00	**17.80**	----	----	----
Barrett Co., New York, N. Y.													
Arcadian The American Nitrate of Soda	Salisbury	16.00	**16.02**	----	----	----	----	----	----	----	----	----	----
Arcadian The American Nitrate of Soda	Baltimore	16.00	**16.16**	----	----	----	----	----	----	----	----	----	----
W. J. Barton and Son, Centreville, Md.													
MBW. New Jersey Tomato Grower, 3-8-10	Baltimore	3.00	**3.16**	2.25	**2.13**	.75	**1.03**	**.20**	8.00	**8.60**	10.00	**10.40**	**74 A**
MBW. New Jersey Tomato Grower, 3-8-10	Baltimore	3.00	**3.03**	2.25	**2.05**	.75	**.98**	**.30**	8.00	**8.60**	10.00	**10.08**	**38 B**
MBW. Fruit Special, 2-9-5	Baltimore	2.00	**2.33**	1.25	**1.50**	.75	**.83**	**.20**	9.00	**9.20**	5.00	**5.12**	**64 A**
MBW. Fruit Special 2-9-5	Baltimore	2.00	**2.20**	1.25	**1.36**	.75	**.84**	**.30**	9.00	**9.00**	5.00	**5.67**	**37 B**
MBW. 0-11-7	Centreville	----	----	----	----	----	----	**.50**	11.00	**11.40**	7.00	**7.00**	----
MBW. Superphosphate 16%	Baltimore	----	----	----	----	----	----	**.70**	16.00	**16.30**	----	----	----
Baugh and Sons Co., Baltimore, Md.													
Baugh's Top Dresser, 10-5-2	Baltimore	10.00	**10.05**	9.00	**8.98**	1.00	**1.07**	**.60**	5.00	**5.50**	2.00	**2.84**	**761 A**
Baugh's Top Dresser, 10-5-2	Baltimore	10.00	**10.07**	9.00	**8.53**	1.00	**1.54**	**.30**	5.00	**5.50**	2.00	**2.44**	**593 A**
Baugh's Top Dresser, 10-5-2	Baltimore	10.00	**10.10**	9.00	**8.81**	1.00	**1.29**	**.60**	5.00	**5.60**	2.00	**2.44**	**732 A**
Baugh's Plant Bed Fertilizer, 8-5-2	Huntingtown	8.00	**8.11**	6.80	**7.12**	1.20	**.99**	**.40**	5.00	**5.30**	2.00	**2.32**	**436 A**
Baugh's Plant Bed Fertilizer, 8-5-2	Baltimore	8.00	**8.00**	6.80	**6.94**	1.20	**1.08**	**.40**	5.00	**5.10**	2.00	**2.40**	**412 A**
Baugh's Plant Bed Fertilizer, 8-5-2	Baltimore	8.00	**8.36**	6.80	**7.25**	1.20	**1.11**	**.50**	5.00	**5.30**	2.00	**2.44**	**477 A**
Baugh's Plant Bed Fertilizer, 8-5-2	Baltimore	8.00	**8.06**	6.80	**6.68**	1.20	**1.38**	**.40**	5.00	**5.30**	2.00	**2.32**	**445 A**
Baugh's Plant Bed Fertilizer, 6-6-8	Huntingtown	6.00	**6.12**	5.10	**5.04**	.90	**1.08**	**.70**	6.00	**6.10**	8.00	**9.16**	**234 A**
Baugh's Plant Bed Fertilizer, 6-6-8	Baltimore	6.00	**6.09**	5.10	**5.03**	.90	**1.06**	**.70**	6.00	**6.20**	8.00	**8.68**	**502 A**
Baugh's Plant Bed Fertilizer, 6-6-8	Baltimore	6.00	**6.18**	5.10	**5.06**	.90	**1.12**	**.50**	6.00	**6.60**	8.00	**8.12**	**300 A**
Baugh's Plant Bed Fertilizer, 6-6-8	Baltimore	6.00	**6.15**	5.10	**4.87**	.90	**1.28**	**.50**	6.00	**6.30**	8.00	**8.38**	**268 A**
Baugh's Original Potato Guano, 6-6-5	Berwyn	6.00	**5.98**	3.60	**3.56**	2.40	**2.42**	**.50**	6.00	**6.90**	5.00	**5.04**	**58 B**
Baugh's Original Potato Guano, 6-6-5	Baltimore	6.00	**6.01**	3.60	**3.60**	2.40	**2.41**	**.50**	6.00	**6.40**	5.00	**5.28**	**46 B**
Baugh's Original Potato Guano, 6-6-5	Baltimore	6.00	**5.71**	3.60	**3.30**	2.40	**2.41**	**.50**	6.00	**7.00**	5.00	**5.20**	**47 B**
Baugh's Original Potato Guano, 6-6-5	Baltimore	6.00	**5.98**	3.60	**3.65**	2.40	**2.33**	**.50**	6.00	**6.60**	5.00	**5.67**	**38 B**
‡Baughs 5-8-12	Baltimore	5.00	**5.03**	3.30	**3.23**	1.70	**1.80**	**.80**	8.00	**8.50**	12.00	**12.36**	**98 A**
Baugh's Balanced Plant Food, 4-12-4	Baltimore	4.00	**4.11**	3.20	**3.27**	.80	**.84**	**1.80**	12.00	**12.30**	4.00	**4.44**	**173 A**
Baugh's Balanced Plant Food, 4-12-4	Baltimore	4.00	**4.14**	3.20	**3.30**	.80	**.84**	**1.50**	12.00	**12.50**	4.00	**4.34**	**225 A**
Baugh's 4-8-12 for Tobacco	Baltimore	4.00	**4.00**	2.80	**2.60**	1.20	**1.40**	**.50**	8.00	**8.60**	12.00	**12.38**	**152 A**
Baugh's 4-8-12 for Tobacco	Baltimore	4.00	**4.07**	2.80	**2.77**	1.20	**1.30**	**.50**	8.00	**8.70**	12.00	**12.58**	**318 A**

†Mineral and Organic findings do not substantiate manufacturers declaration. ‡Not Licensed at time of Sale. *Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total FOUND	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral FOUND	NITROGEN (N) Organic Declared	NITROGEN (N) Organic FOUND	PHOSPHORIC ACID (P_2O_5) Insoluble FOUND	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available FOUND	POTASH (K_2O) Guaranteed	POTASH (K_2O) FOUND	Acidity A Basicity B FOUND
Baugh and Sons Co., Baltimore, Md. (Continued)													
Baugh's 4-8-10 for Tobacco	Baltimore	4.00	**4.04**	2.80	**2.78**	1.20	**1.26**	**.60**	8.00	**8.80**	10.00	**10.24**	**76** A
†Baugh's Old Dependable Potato Grower, 4-8-10	Baltimore	4.00	**4.23**	3.20	**2.67**	.80	**1.56**	**.70**	8.00	**8.50**	10.00	**10.26**	**6** A
Baugh's 4-8-7 for Tobacco	Baltimore	4.00	**4.00**	2.80	**2.74**	1.20	**1.26**	**.70**	8.00	**8.70**	7.00	**7.29**	**58** A
Baugh's Half Century Perfection Brand, 4-8-7	Maugansville	4.00	**4.10**	3.20	**3.33**	.80	**.77**	**.40**	8.00	**8.90**	7.00	**7.29**	**58** B
Baugh's Half Century Perfection Brand, 4-8-7	Baltimore	4.00	**4.00**	3.20	**3.16**	.80	**.84**	**.50**	8.00	**8.80**	7.00	**7.29**	**18** B
Baugh's Half Century Perfection Brand, 4-8-7	Baltimore	4.00	**4.00**	3.20	**3.21**	.80	**.79**	**.40**	8.00	**8.60**	7.00	**7.06**	**51** B
Baugh's 4-8-5 for Tobacco	Baltimore	4.00	**4.18**	2.80	**2.86**	1.20	**1.32**	**.60**	8.00	**8.40**	5.00	**5.30**	**29** B
Baugh's 4-8-5 for Tobacco	Baltimore	4.00	**4.00**	2.80	**2.63**	1.20	**1.37**	**.60**	8.00	**8.90**	5.00	**5.00**	**5** B
Baugh's Peruvian Guano Substitute, 4-8-5	Laurel	4.00	**4.00**	3.20	**3.33**	.80	**.67**	**.60**	8.00	**8.40**	5.00	**5.34**	**25** B
Baugh's Peruvian Guano Substitute, 4-8-5	Baltimore	4.00	**4.10**	3.20	**3.05**	.80	**1.05**	**.60**	8.00	**8.80**	5.00	**5.20**	**12** B
Baugh's Peruvian Guano Substitute, 4-8-5	Laurel	4.00	**4.07**	3.20	**3.26**	.80	**.81**	**.70**	8.00	**8.60**	5.00	**5.40**	**30** B
Baugh's Peruvian Guano Substitute, 4-8-5	Berwyn	4.00	**4.02**	3.20	**3.17**	.80	**.85**	**.40**	8.00	**8.90**	5.00	**5.82**	**20** B
Baugh's Peruvian Guano Substitute, 4-8-5	Baltimore	4.00	**4.09**	3.20	**3.39**	.80	**.70**	**.80**	8.00	**8.80**	5.00	**5.20**	**6** B
Baugh's Peruvian Guano Substitute, 4-8-5	Baltimore	4.00	**4.07**	3.20	**3.14**	.80	**.93**	**.70**	8.00	**8.60**	5.00	**5.44**	**30** B
Baugh's Peruvian Guano Substitute, 4-8-5	Baltimore	4.00	**4.02**	3.20	**3.17**	.80	**.85**	**.90**	8.00	**8.20**	5.00	**5.40**	**6** B
Baugh's Peruvian Guano Substitute, 4-8-5	Baltimore	4.00	**3.99**	3.20	**3.17**	.80	**.82**	**1.00**	8.00	**8.40**	5.00	**5.16**	**15** B
Baugh's Three Quarter Century Perfection Brand, 3-12-6	Baltimore	3.00	**3.23**	2.25	**2.46**	.75	**.77**	**1.70**	12.00	**12.50**	6.00	**6.56**	**108** A
Baugh's High Grade Fish Brand, 3-12-6	Baltimore	3.00	**3.00**	1.80	**1.54**	1.20	**1.46**	**1.40**	12.00	**12.40**	6.00	**6.21**	**2** A
Baugh's Animal Base and Potash Compound, 3-8-10	Baltimore	3.00	**3.07**	2.25	**2.39**	.75	**.68**	**.60**	8.00	**9.20**	10.00	**10.40**	**8** B
Baugh's Tomato Compound with Fish, 3-8-10	Baltimore	3.00	**3.07**	2.10	**2.29**	.90	**.78**	**.50**	8.00	**8.50**	10.00	**10.44**	**41** B
Baugh's Sweet Potato Guano, 3-8-8	Baltimore	3.00	**3.09**	2.10	**2.13**	.90	**.96**	**.60**	8.00	**8.90**	8.00	**8.38**	**48** B
Baugh's Double Eagle Phosphate, 2-12-4	Baltimore	2.00	**2.12**	1.40	**1.18**	.60	**.94**	**.90**	12.00	**13.30**	4.00	**4.36**	**24** B
Baugh's Double Eagle Phosphate, 2-12-4	Baltimore	2.00	**2.06**	1.40	**1.39**	.60	**.67**	**1.30**	12.00	**13.00**	4.00	**4.12**	**6** A
Baugh's Special Potato Manure, 2-9-5	Baltimore	2.00	**2.13**	1.40	**1.36**	.60	**.77**	**.80**	9.00	**9.30**	5.00	**5.38**	**26** B
Baugh's Complete Animal Base Fertilizer, 2-9-5	Laurel	2.00	**2.02**	1.40	**1.36**	.60	**.66**	**.60**	9.00	**9.30**	5.00	**5.20**	**16** B
Baugh's Complete Animal Base Fertilizer, 2-9-5	Baltimore	2.00	**2.01**	1.40	**1.32**	.60	**.69**	**.50**	9.00	**9.70**	5.00	**5.40**	**9** B
Baugh's Complete Animal Base Fertilizer, 2-9-5	Baltimore	2.00	**2.02**	1.40	**1.41**	.60	**.61**	**.70**	9.00	**9.20**	5.00	**5.04**	**3** B
‡Baugh's 2-8-10 with Fish	Baltimore	2.00	**2.22**	1.40	**1.26**	.60	**.96**	**.50**	8.00	**8.90**	10.00	**10.00**	**1** B
Baugh's Commercial Crop Compound, 2-8-10	Baltimore	2.00	**2.16**	1.40	**1.56**	.60	**.60**	**.90**	8.00	**8.10**	10.00	**10.36**	**13** B
Baugh's 2-8-10 for Tobacco	Baltimore	2.00	**2.02**	1.40	**1.20**	.60	**.82**	**.80**	8.00	**8.30**	10.00	**10.24**	**30** B
Baugh's 2-8-10 for Tobacco	Baltimore	2.00	**2.02**	1.40	**1.15**	.60	**87**	**.90**	8.00	**8.80**	10.00	**10.00**	**18** B
Baugh's Franklin Mixture, 1-10-5	Cumberland	1.00	**1.18**	.60	**.76**	.40	**.42**	**1.00**	10.00	**10.60**	5.00	**5.00**	**55** B

Baugh's 2-8-10 for Tobacco	Baltimore	2.00	**2.02**	1.40	**1.15**	.60	**.87**	**.90**	8.00	**8.80**	10.00	**10.00**	**18 B**
Baugh's Excelsior Mixture, 1-10-5	Cumberland	1.00	**1.18**	.60	**.76**	.40	**.42**	**1.00**	10.00	**10.60**	5.00	**5.00**	**55 B**
Sulphate of Ammonia, 20.57-0-0	Baltimore	20.57	**20.58**	----	----	----	----	----	----	----	----	----	----
Sulphate of Ammonia, 20.57-0-0	Baltimore	20.57	**20.60**	----	----	----	----	----	----	----	----	----	----
Baugh's Raw Bone Meal, 3.70-T.P.A.21.50-0	Baltimore	3.70	**3.90**	----	----	----	----	----	*21.50	***23.00**	----	----	----
Baugh's Raw Bone Meal, 3.70-T.P.A.21.50-0	Baltimore	3.70	**3.99**	----	----	----	----	----	*21.50	***22.30**	----	----	----
Baugh's Pure Steamed Bone Meal, 2.47-T.P.A.23-0	Baltimore	2.47	**2.46**	----	----	----	----	----	*23.00	***27.30**	----	----	----
‡Ground Fish	Denton	9.00	**9.26**	----	----	----	----	----	----	----	----	----	----
‡Domestic Sheep Manure	Ellicott City	1.50	**1.94**	----	----	----	----	----	*1.00	***1.40**	1.00	**2.17**	----
Domestic Sheep Manure	Baltimore	1.50	**1.64**	----	----	----	----	----	*1.00	***1.10**	1.00	**2.06**	----
Baugh's Phosphate and Potash Mixture, 0-10-10	Baltimore	----	----	----	----	----	----	**.70**	10.00	**11.10**	10.00	**10.24**	----
Baughphos, The Ideal 16% Superphosphate	Baltimore	----	----	----	----	----	----	**.60**	16.00	**16.80**	----	----	----
Baughphos, The Ideal 16% Superphosphate	Baltimore	----	----	----	----	----	----	**1.10**	16.00	**17.80**	----	----	----
Baugh's Lime and Phosphate	Baltimore	----	----	----	----	----	----	**1.10**	16.00	**16.80**	----	----	----
Baugh's Lime and Phosphate	Baltimore	----	----	----	----	----	----	**1.20**	16.00	**17.30**	----	----	----
Muriate of Potash	Baltimore	----	----	----	----	----	----	----	----	----	50.00	**50.40**	----
High Grade Kainit	Baltimore	----	----	----	----	----	----	----	----	----	20.00	**21.72**	----
F. W. Bolgiano and Co., Inc., Washington, D. C.													
†Gold Tag, 8-5-2	----	8.00	**7.84**	7.20	**6.55**	.80	**1.29**	**.40**	5.00	**5.10**	2.00	**2.36**	**236 A**
Gold Tag, 6-6-5	Hyattsville	6.00	**6.19**	3.60	**3.52**	2.40	**2.67**	**.50**	6.00	**6.40**	5.00	**5.42**	**170 A**
Gold Tag, 6-6-5	----	6.00	**6.12**	3.60	**3.25**	2.40	**2.87**	**.20**	6.00	**6.40**	5.00	**5.32**	**120 A**
Gold Tag, 4-8-12	----	4.00	**4.03**	3.00	**2.73**	1.00	**1.30**	**.40**	8.00	**8.00**	12.00	**12.96**	**110 A**
Gold Tag, 4-8-5	----	4.00	**4.00**	3.00	**2.66**	1.00	**1.34**	**.50**	8.00	**8.00**	5.00	**5.12**	**37 B**
Gold Tag Steamed Bone Meal	Hyattsville	2.47	**2.74**	----	----	----	----	----	*23.00	***25.00**	----	----	----
‡Kainit	Hyattsville	----	----	----	----	----	----	----	----	----	20.00	**19.04**	----
Gold Tag 16% Acid Phosphate	Hyattsville	----	----	----	----	----	----	**1.30**	16.00	**15.70**	----	----	----
Herbert Bryant, Inc., Alexandria, Va.													
Six-Six-Five	Crisfield	6.00	**6.12**	4.80	**4.55**	1.20	**1.57**	**.20**	6.00	**7.30**	5.00	**5.35**	**420 A**
Six-Six-Five	Silver Spring	6.00	**5.78**	4.80	**4.32**	1.20	**1.46**	**.30**	6.00	**8.00**	5.00	**4.81**	**290 A**
Excelsior Ammoniated, 5-8-5	Norbeck	5.00	**4.98**	3.75	**3.74**	1.25	**1.24**	**.30**	8.00	**9.30**	5.00	**5.51**	**292 A**
‡Excelsior Ammoniated, 5-8-5	Silver Spring	5.00	**5.19**	3.75	**3.89**	1.25	**1.30**	**.30**	8.00	**8.80**	5.00	**5.04**	**239 A**
Pure Fish Compound, 3-10-5	Bethesda	3.00	**2.99**	0.00	**.08**	3.00	**2.91**	**1.60**	10.00	**10.50**	5.00	**6.44**	**7 A**
High Grade Truck and Potato, 3-8-5	Norbeck	3.00	**3.00**	1.80	**1.64**	1.20	**1.36**	**1.20**	8.00	**8.70**	5.00	**5.59**	**76 A**
‡High Grade Truck and Potato, 3-8-5	Washington Grove	3.00	**3.13**	1.80	**1.77**	1.20	**1.36**	**.90**	8.00	**8.80**	5.00	**5.84**	**102 A**
High Grade Truck and Potato, 3-8-5	Washington Grove	3.00	**3.26**	1.80	**2.02**	1.20	**1.24**	**.30**	8.00	**9.10**	5.00	**5.00**	**80 A**
Genuine Fish and Potash Brand, 2-9-2	Washington Grove	2.00	**1.88**	1.00	**1.01**	1.00	**.87**	**.80**	9.00	**8.60**	2.00	**3.10**	**5 B**
Genuine Fish and Potash Brand, 2-9-2	Washington Grove	2.00	**1.90**	1.00	**.98**	1.00	**.92**	**.90**	9.00	**8.40**	2.00	**3.02**	**38 A**
Belle Haven Ammoniated, 2-8-5	Silver Spring	2.00	**2.06**	1.00	**.98**	1.00	**1.08**	**.50**	8.00	**8.00**	5.00	**5.28**	**17 B**
‡Beef and Potash Brand, 1-9-2	Washington Grove	1.00	**1.08**	.50	**.51**	.50	**.57**	**.60**	9.00	**9.30**	2.00	**2.40**	**29 B**
Corn King, 1-10-2	Washington Grove	1.00	**1.10**	.50	**.58**	.50	**.52**	**.80**	10.00	**9.60**	2.00	**2.80**	**43 B**

‡Not Licensed at time of Sale. †Mineral and Organic findings do not substantiate manufacturers declaration. *Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total FOUND	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral FOUND	NITROGEN (N) Organic Declared	NITROGEN (N) Organic FOUND	PHOSPHORIC ACID (P_2O_5) Insoluble FOUND	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available FOUND	POTASH (K_2O) Guaranteed	POTASH (K_2O) FOUND	Acidity A Basicity B FOUND
Herbert Bryant, Inc., Alexandria, Va. (Continued)													
Corn King, 1-10-2	Washington Grove	1.00	**1.08**	.50	**.52**	.50	**.56**	**.90**	10.00	**9.50**	2.00	**4.19**	**121** B
‡Sulphate of Ammonia, 20.56-0-0	Silver Spring	20.56	**20.60**	----	----	----	----	----	----	----	----	----	----
‡Steamed Bone Meal, 2.47-T.P.A.22.88-0	Bethesda	2.47	**2.64**	----	----	----	----	----	*22.88	***24.00**	----	----	----
Pulverized Sheep Manure, 1.85-T.P.A.1-2	Silver Spring	1.85	**1.68**	----	----	----	----	----	*1.00	***1.00**	2.00	**2.06**	----
High Grade Acid Phosphate, 0-16-0	Silver Spring	----	----	----	----	----	----	**.20**	16.00	**17.10**	----	----	----
Phosphate and Tobacco, 0-13-0	Washington Grove	----	----	----	----	----	----	**.80**	13.00	**11.80**	----	----	----
Central Chemical Co., Inc., Baltimore, Md.													
"Gro-All" Pomo Food, 10-6-4	Baltimore	10.00	**10.09**	8.25	**8.39**	1.75	**1.70**	**1.40**	6.00	**7.30**	4.00	**4.04**	**395** A
‡"Gro-All" Top Dresser, 6-6-5	Baltimore	6.00	**6.01**	5.40	**5.22**	.60	**.79**	**.30**	6.00	**6.70**	5.00	**5.08**	**359** A
‡†"Gro-All" 5-10-5	Baltimore	5.00	**5.03**	4.50	**3.99**	.50	**1.04**	**.50**	10.00	**10.80**	5.00	**5.44**	**239** A
"Gro-All" Potato Special, 4-8-7	Baltimore	4.00	**3.79**	3.50	**3.00**	.50	**.79**	**.50**	8.00	**9.00**	7.00	**7.06**	**114** A
"Gro-All" Potato Special, 4-8-7	Walkersville	4.00	**4.16**	3.50	**3.73**	.50	**.43**	**.50**	8.00	**8.50**	7.00	**7.46**	**98** A
"Gro-All" Potato Special, 4-8-7	Frederick	4.00	**4.38**	3.50	**3.73**	.50	**.65**	**.40**	8.00	**8.50**	7.00	**7.76**	**92** A
‡"Gro-All" Truckers Delight, 4-8-5	Frederick	4.00	**4.51**	3.50	**4.04**	.50	**.47**	**.50**	8.00	**8.20**	5.00	**5.90**	**106** A
"Gro-All" Golden Sheaf, 3-12-6	Baltimore	3.00	**3.12**	2.50	**2.60**	.50	**.52**	**.60**	12.00	**12.40**	6.00	**6.38**	**113** A
"Gro-All" Super-Fish Brand, 2-12-6	Baltimore	2.00	**20.1**	.50	**.88**	1.50	**1.13**	**1.10**	12.00	**12.30**	6.00	**6.00**	**48** A
†"Gro-All" Grain Food, 2-12-4	Baltimore	2.00	**2.18**	1.50	**1.54**	.50	**.64**	**.60**	12.00	**12.40**	4.00	**4.34**	----
"Gro-All" Grain Food, 2-12-4	Oakland	2.00	**2.13**	1.50	**1.49**	.50	**.64**	**.60**	12.00	**12.20**	4.00	**4.26**	**48** A
"Gro-All" Excelsior, 2-9-5	Frederick	2.00	**2.01**	1.50	**1.40**	.50	**.61**	**.70**	9.00	**9.90**	5.00	**5.12**	**193** B
"Gro-All" Excelsior, 2-9-5	Frederick	2.00	**2.11**	1.50	**1.61**	.50	**.50**	**.70**	9.00	**9.20**	5.00	**5.44**	**170** B
"Gro-All" Imperial, 2-8-10	Baltimore	2.00	**1.99**	1.50	**1.46**	.50	**.53**	**.50**	8.00	**8.00**	10.00	**10.08**	----
"Gro-All" Imperial, 2-8-10	Oakland	2.00	**2.12**	1.50	**1.54**	.50	**.58**	**.60**	8.00	**8.00**	10.00	**10.46**	**18** A
"Gro-All" Crown Jewel, 1-10-5	Frederick	1.00	**1.29**	.50	**.70**	.50	**.59**	**.50**	10.00	**10.60**	5.00	**5.00**	**265** B
"Gro-All" Crown Jewel, 1-10-5	Baltimore	1.00	**1.28**	.50	**.65**	.50	**.63**	**.80**	10.00	**10.20**	5.00	**5.20**	**76** B
"Gro-All" Crown Jewel, 1-10-5	Frederick	1.00	**1.28**	.50	**.70**	.50	**.58**	**.60**	10.00	**10.50**	5.00	**5.12**	**222** B
"Gro-All" Potash Special, 0-12-5	Baltimore	----	----	----	----	----	----	**1.20**	12.00	**12.40**	5.00	**5.39**	----
"Gro-All" Dissolved Phosphate, 0-16-0	Frederick	----	----	----	----	----	----	**1.50**	16.00	**16.10**	----	----	----
"Gro-All" Dissolved Phosphate, 0-16-0	Hancock	----	----	----	----	----	----	**1.20**	16.00	**16.30**	----	----	----
"Gro-All" Carbo Lime Phosphate, 0-16-0	Hancock	----	----	----	----	----	----	**.50**	16.00	**16.30**	----	----	----
Chewsville Cooperative Association, Chewsville, Md.													

Chewsville Cooperative Association, Chewsville, Md.													
Fruit and Vegetable Mixture, 6-6-5	Chewsville	6.00	**5.97**	5.00	**4.61**	1.00	**1.36**	**.40**	6.00	**9.00**	5.00	**5.00**	**131** B
†Fruit and Vegetable Mixture, 6-6-5	Chewsville	6.00	**5.98**	5.00	**4.44**	1.00	**1.54**	**.40**	6.00	**6.50**	5.00	**5.35**	**321** B
Perfection, 4-8-7	Chewsville	4.00	**4.03**	3.00	**2.67**	1.00	**1.36**	**.40**	8.00	**10.50**	7.00	**7.53**	**120** A
Perfection, 4-8-7	Chewsville	4.00	**3.97**	3.00	**2.74**	1.00	**1.23**	**.60**	8.00	**9.30**	7.00	**7.22**	**.54** A
Crop Producer, 3-12-6	Chewsville	3.00	**3.26**	2.00	**1.92**	1.00	**1.34**	**.90**	12.00	**13.10**	6.00	**6.29**	**116** A
Crop Producer, 3-12-6	Chewsville	3.00	**3.14**	2.00	**1.68**	1.00	**1.46**	**.60**	12.00	**12.20**	6.00	**6.83**	**34** A
Golden Harvest, 2-9-5	Chewsville	2.00	**2.05**	1.00	**1.21**	1.00	**.84**	**.40**	9.00	**11.90**	5.00	**5.67**	**51** B
Golden Harvest, 2-9-5	Chewsville	2.00	**2.27**	1.00	**1.13**	1.00	**1.14**	**.80**	9.00	**10.10**	5.00	**5.67**	**121** B
Phosphate and Potash, 0-12-5	Chewsville	----	----	----	----	----	----	**.30**	12.00	**14.30**	5.00	**5.08**	----
Phosphate and Potash, 0-12-5	Chewsville	----	----	----	----	----	----	**.40**	12.00	**14.50**	5.00	**5.00**	----
Superphosphate, 0-16-0	Chewsville	----	----	----	----	----	----	**.70**	16.00	**17.40**	----	----	----
Superphosphate, 0-16-0	Chewsville	----	----	----	----	----	----	**.70**	16.00	**17.30**	----	----	----
Chilean Nitrate Sales Corp., New York, N. Y.													
Champion Brand Chilean Nitrate of Soda	Baltimore	16.00	**16.38**	----	----	----	----	----	----	----	----	----	----
L. Otis Corkran, Rhodesdale, Md.													
4-7-9	Rhodesdale	4.00	**4.49**	2.00	**2.23**	2.00	**2.26**	**.40**	7.00	**7.70**	9.00	**8.40**	**224** B
2-7-7	Rhodesdale	2.00	**2.25**	.40	**.35**	1.60	**1.90**	**.40**	7.00	**7.20**	7.00	**7.44**	**774** B
Davison Chemical Corp., Baltimore, Md.													
Davison Sulphate of Ammonia	Baltimore	20.56	**20.60**	----	----	----	----	----	----	----	----	----	----
Davison Pure Raw Bone	Baltimore	3.70	**4.31**	----	----	----	----	----	*20.00	***20.50**	----	----	----
Davison Fine Bone Meal	Baltimore	2.47	**2.49**	----	----	----	----	----	*23.00	***26.80**	----	----	----
‡Davison Sheep and/or Goat Manure	Baltimore	1.25	**1.52**	----	----	----	----	----	*1.00	***1.60**	2.00	**2.54**	----
‡Davison Superphosphate, 0-20-0	Baltimore	----	----	----	----	----	----	**.70**	20.00	**19.70**	----	----	----
Davison Muriate of Potash, 0-0-50	Oakland	----	----	----	----	----	----	----	----	----	50.00	**50.00**	----
Davison Muriate of Potash, 0-0-48	Baltimore	----	----	----	----	----	----	----	----	----	48.00	**48.10**	----
Davison High Grade Kainit, 0-0-20	Baltimore	----	----	----	----	----	----	----	----	----	20.00	**20.16**	----
‡Davison High Grade Kainit, 0-0-20	Baltimore	----	----	----	----	----	----	----	----	----	20.00	**21.12**	----
‡Davison Kainit, 0-0-14	Baltimore	----	----	----	----	----	----	----	----	----	14.00	**14.68**	----
Devilbiss Brothers, New Windsor, Md.													
Butcher House, 2-9-5	New Windsor	2.00	**2.27**	1.60	**1.99**	.40	**.28**	**.80**	9.00	**10.40**	5.00	**6.60**	**71** B
Wheat Grower, 1-10-5	New Windsor	1.00	**1.60**	.80	**1.19**	.20	**.41**	**1.10**	10.00	**10.30**	5.00	**6.52**	**107** B
Super Phosphate, 0-16-0	New Windsor	----	----	----	----	----	----	**.70**	16.00	**19.70**	----	----	----
Dorchester Fertilizer Co., Cambridge, Md.													
Dorco Champion, 6-6-5	Cambridge	6.00	**5.81**	5.10	**5.09**	.90	**.72**	**1.00**	6.00	**6.70**	5.00	**3.65**	**80** A
Dorco Champion, 6-6-5	Cambridge	6.00	**5.67**	5.10	**5.00**	.90	**.67**	**.40**	6.00	**6.30**	5.00	**5.35**	**98** A
Dorco Champion, 6-6-5	Vienna	6.00	**6.01**	5.10	**5.13**	.90	**.88**	**.60**	6.00	**8.20**	5.00	**5.67**	**97** A

‡Not Licensed at time of Sale. †Mineral and Organic findings do not substantiate manufacturers declaration. *Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total FOUND	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral FOUND	NITROGEN (N) Organic Declared	NITROGEN (N) Organic FOUND	PHOSPHORIC ACID (P_2O_5) Insoluble FOUND	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available FOUND	POTASH (K_2O) Guaranteed	POTASH (K_2O) FOUND	Acidity A Basicity B FOUND
Dorchester Fertilizer Co., Cambridge, Md. (Cont'd.)													
Dorco Jewel, 5-8-12	Cambridge	5.00	**4.85**	4.10	**3.95**	.90	**.90**	**.80**	8.00	**8.30**	12.00	**12.58**	**121** A
Dorco Jewel, 5-8-12	Cambridge	5.00	**5.00**	4.10	**4.03**	.90	**.97**	**.70**	8.00	**7.60**	12.00	**13.36**	**104** A
Dorco Regal, 4-8-7	Vienna	4.00	**4.02**	3.20	**3.69**	.80	**.33**	**.80**	8.00	**8.50**	7.00	**7.44**	**72** A
Dorco Regal, 4-8-7	Cambridge	4.00	**3.99**	3.20	**3.61**	.80	**.38**	**.70**	8.00	**8.70**	7.00	**7.86**	**67** A
Dorco Regal, 4-8-7	Cambridge	4.00	**4.16**	3.20	**3.85**	.80	**.31**	**.60**	8.00	**8.50**	7.00	**7.00**	**51** A
Imperial, 3-12-6	Cambridge	3.00	**3.13**	2.75	**2.64**	.25	**.49**	**1.20**	12.00	**12.20**	6.00	**6.43**	**121** A
Dorco Royal, 3-8-10	Cambridge	3.00	**3.13**	2.60	**2.91**	.40	**.22**	**.90**	8.00	**9.00**	10.00	**10.70**	**2** A
Dorco Royal, 3-8-10	Vienna	3.00	**2.98**	2.60	**2.81**	.40	**.17**	**.70**	8.00	**8.70**	10.00	**10.72**	**49** B
Dorco Royal, 3-8-10	Cambridge	3.00	**2.99**	2.60	**2.70**	.40	**.29**	**.80**	8.00	**8.30**	10.00	**10.08**	**45** B
Dorco Royal, 3-8-10	Cambridge	3.00	**3.26**	2.60	**2.96**	.40	**.30**	**.70**	8.00	**8.30**	10.00	**10.40**	**39** B
Diamond, 2-12-4	Cambridge	2.00	**2.13**	1.50	**1.60**	.50	**.53**	**.80**	12.00	**12.50**	4.00	**4.51**	**46** B
Producer, 2-9-5	Cambridge	2.00	**2.02**	1.90	**1.97**	.10	**.05**	**.60**	9.00	**10.00**	5.00	**5.62**	**166** B
Producer, 2-9-5	Cambridge	2.00	**2.05**	1.90	**1.99**	.10	**.06**	**.40**	9.00	**9.50**	5.00	**5.82**	**81** B
Favorite, 2-8-10	Cambridge	2.00	**1.99**	1.90	**1.87**	.10	**.12**	**.50**	8.00	**8.90**	10.00	**10.40**	**70** B
Favorite, 2-8-10	Vienna	2.00	**1.99**	1.90	**1.83**	.10	**.16**	**.60**	8.00	**8.70**	10.00	**10.86**	**27** B
Favorite, 2-8-10	Cambridge	2.00	**1.99**	1.90	**1.91**	.10	**.08**	**.60**	8.00	**8.80**	10.00	**10.08**	**67** B
Standard, 0-10-10	Cambridge	----	----	----	----	----	----	**.50**	10.00	**10.30**	10.00	**11.34**	----
Standard, 0-10:10	Cambridge	----	----	----	----	----	----	**1.00**	10.00	**10.10**	10.00	**10.44**	----
Harvest, 0-12-5	Cambridge	----	----	----	----	----	----	**1.40**	12.00	**12.60**	5.00	**5.35**	----
Superphosphate, 0-16-0	Cambridge	----	----	----	----	----	----	**1.60**	16.00	**16.40**	----	----	----
Edelen Brothers, Baltimore, Md.													
Edelen's 10% Tobacco Bed Special, 10-5-2	Baltimore	10.00	**9.52**	8.75	**8.44**	1.25	**1.08**	**.30**	5.00	**5.80**	2.00	**2.44**	**574** A
Edelen's 10% Tobacco Bed Special, 10-5-2	Baltimore	10.00	**9.80**	8.75	**8.73**	1.25	**1.07**	**.60**	5.00	**5.40**	2.00	**2.60**	**652** A
Edelen's 10% Tobacco Bed Special, 10-5-2	Baltimore	10.00	**10.10**	8.75	**8.96**	1.25	**1.14**	**.20**	5.00	**5.50**	2.00	**2.44**	**721** A
Edelen's High Grade Tobacco, 4-8-12	Baltimore	4.00	**3.97**	3.25	**3.35**	.75	**.62**	**.30**	8.00	**8.80**	12.00	**12.42**	**186** A
Edelen's Red Tobacco, 3-8-10	Baltimore	3.00	**2.84**	2.25	**2.11**	.75	**.73**	**.40**	8.00	**8.70**	10.00	**10.00**	**57** A
Edelen's Wheat and Grain Mixture, 2-9-5	Baltimore	2.00	**1.99**	1.40	**1.36**	.60	**.63**	**.60**	9.00	**9.10**	5.00	**5.28**	**27** B
Farmers Cooperative Association, Inc., Frederick, Md.													
Spring Special, 4-8-7	Frederick	4.00	**3.86**	3.20	**3.00**	.80	**.86**	**.80**	8.00	**9.80**	7.00	**7.46**	**126** A
†Spring Special, 4-8-7	Frederick	4.00	**3.52**	3.20	**2.64**	.80	**.88**	**.90**	8.00	**10.00**	7.00	**7.00**	**106** A
Sure Crop, 2-12-6	Frederick	2.00	**2.08**	1.50	**1.74**	.50	**.34**	**.60**	12.00	**12.50**	6.00	**6.83**	**36** A

†Spring Special, 4-8-7	Frederick	4.00	**3.52**	3.20	**2.64**	.80	**.88**	**.90**	8.00	**10.00**	7.00	**7.00**	**106** A
Sure Crop, 2-12-6	Frederick	2.00	**2.08**	1.50	**1.74**	.50	**.34**	**.60**	12.00	**12.50**	6.00	**6.83**	**36** A
Wheat and Grass Special, 2-9-5	Frederick	2.00	**2.15**	1.60	**1.26**	.40	**.89**	**.90**	9.00	**9.50**	5.00	**5.91**	**53** B
Superphosphate, 0-16-0	Frederick	----	----	----	----	----	----	**1.20**	16.00	**16.50**	----	----	----
Superphosphate, 0-16-0	Frederick	----	----	----	----	----	----	**1.30**	16.00	**16.40**	----	----	----
Farmers Fertilizer and Feed Co., Westminster, Md.													
Truckers Delight, 4-8-7	Westminster	4.00	**4.10**	3.50	**3.02**	.50	**1.08**	**.70**	8.00	**8.20**	7.00	**7.06**	**29** B
†Truckers Delight, 4-8-7	Westminster	4.00	**3.85**	3.50	**2.97**	.50	**.88**	**1.10**	8.00	**8.10**	7.00	**7.37**	**17** B
Superior, 2-12-6	Westminster	2.00	**2.12**	1.40	**1.40**	.60	**.72**	**1.00**	12.00	**11.20**	6.00	**5.67**	**9** A
Superior, 2-12-6	Westminster	2.00	**2.16**	1.40	**1.49**	.60	**.67**	**1.00**	12.00	**11.40**	6.00	**6.44**	**50** B
High Grade, 2-9-5	Westminster	2.00	**2.02**	1.40	**1.38**	.60	**.64**	**1.00**	9.00	**8.80**	5.00	**5.20**	**115** B
Farmers Potash Special, 2-8-10	Westminster	2.00	**2.08**	1.40	**1.46**	.60	**.62**	**1.00**	8.00	**8.60**	10.00	**10.08**	**83** B
Farmers Potash Special, 2-8-10	Westminster	2.00	**2.05**	1.40	**1.47**	.60	**.58**	**.90**	8.00	**8.70**	10.00	**10.08**	**47** B
Farmers Favorite, 1-10-5	Westminster	1.00	**1.21**	.50	**.62**	.50	**.59**	**.90**	10.00	**10.00**	5.00	**5.16**	**77** B
Superphosphate and Potash, 0-12-5	Westminster	----	----	----	----	----	----	**1.00**	12.00	**12.50**	5.00	**5.04**	----
Superphosphate and Potash, 0-12-5	Westminster	----	----	----	----	----	----	**1.10**	12.00	**11.60**	5.00	**5.04**	----
Superphosphate, 0-16-0	Westminster	----	----	----	----	----	----	**.90**	16.00	**16.10**	----	----	----
Superphosphate, 0-16-0	Westminster	----	----	----	----	----	----	**1.70**	16.00	**15.60**	----	----	----
Farmers and Planters Co., Salisbury, Md.													
Special High Grade, 6-6-5	Salisbury	6.00	**6.22**	4.50	**4.09**	1.50	**2.13**	**.30**	6.00	**6.00**	5.00	**5.28**	**40** A
†Special High Grade, 6-6-5	Salisbury	6.00	**6.05**	4.50	**3.83**	1.50	**2.22**	**.70**	6.00	**7.00**	5.00	**5.67**	**111** A
†Special High Grade, 6-6-5	Salisbury	6.00	**5.90**	4.50	**3.82**	1.50	**2.08**	**.50**	6.00	**6.00**	5.00	**5.40**	**10** B
†Special High Grade, 6-6-5	Pocomoke City	6.00	**5.71**	4.50	**3.75**	1.50	**1.96**	**.70**	6.00	**5.50**	5.00	**5.40**	**41** B
†Early Truck, 5-8-12	Pocomoke City	5.00	**4.77**	3.50	**3.99**	1.50	**.78**	**.30**	8.00	**8.50**	12.00	**12.00**	**254** A
‡F. & P. Brand, 4-8-10	Pocomoke City	4.00	**3.88**	3.00	**3.15**	1.00	**.73**	**.60**	8.00	**8.10**	10.00	**10.32**	**129** B
Early Vegetable, 4-8-5	Salisbury	4.00	**4.13**	2.80	**3.12**	1.20	**1.01**	**1.00**	8.00	**8.80**	5.00	**5.90**	**40** A
Early Vegetable, 4-8-5	Salisbury	4.00	**4.02**	2.80	**2.56**	1.20	**1.46**	**.70**	8.00	**8.00**	5.00	**5.74**	**161** B
Early Vegetable, 4-8-5	Salisbury	4.00	**4.11**	2.80	**2.93**	1.20	**1.18**	**.50**	8.00	**7.00**	5.00	**5.35**	**184** B
Early Vegetable, 4-8-5	Pocomoke City	4.00	**3.88**	2.80	**2.76**	1.20	**1.12**	**.60**	8.00	**8.20**	5.00	**5.82**	**149** B
XX Potash Mixture, 3-8-10	Salisbury	3.00	**2.92**	2.10	**2.26**	.90	**.66**	**.70**	8.00	**8.40**	10.00	**10.00**	**181** B
Fish Brand, 2:9-5	Pocomoke City	2.00	**2.01**	1.40	**1.38**	.60	**.63**	**1.10**	9.00	**9.10**	5.00	**5.74**	**342** B
Sweet Potato Special, 2-8-10	Pocomoke City	2.00	**2.01**	1.40	**1.29**	.60	**.72**	**1.00**	8.00	**8.20**	10.00	**10.70**	**315** B
Corn Grower, 1-10-5	Salisbury	1.00	**1.32**	.70	**.77**	.30	**.55**	**1.10**	10.00	**10.90**	5.00	**5.98**	**357** B
F. & P. Acid Phosphate, 0-16-0	Salisbury	----	----	----	----	----	----	**1.00**	16.00	**20.10**	----	----	----
John E. Fitzpatrick, Dundalk, Md.													
Fitzpatrick's Fish Brand, 4-8-5	Dundalk	4.00	**4.72**	3.77	**4.55**	.23	**.22**	**.50**	8.00	**7.70**	5.00	**6.05**	**219** A
Griffith and Boyd Co., Baltimore, Md.													
‡Champion Fertilizer, 4-12-10	Mt. Lake Park	4.00	**3.99**	2.80	**3.12**	1.20	**.87**	**.20**	12.00	**12.60**	10.00	**10.24**	**263** A

†Mineral and Organic findings do not substantiate manufacturers declaration. ‡Not Licensed at time of Sale.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total FOUND	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral FOUND	NITROGEN (N) Organic Declared	NITROGEN (N) Organic FOUND	PHOSPHORIC ACID (P_2O_5) Insoluble FOUND	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available FOUND	POTASH (K_2O) Guaranteed	POTASH (K_2O) FOUND	Acidity A Basicity B FOUND
Griffith and Boyd Co., Baltimore, Md. (Continued)													
High Grade Truck Guano, 4-8-7	Baltimore	4.00	**4.03**	3.20	**3.26**	.80	**.77**	**.30**	8.00	**8.60**	7.00	**7.57**	**218** A
High Grade Truck Guano, 4-8-7	Baltimore	4.00	**4.02**	3.20	**3.18**	.80	**.84**	**.40**	8.00	**8.70**	7.00	**7.46**	**220** A
Truckers Special, 4-8-5	Baltimore	4.00	**4.00**	3.20	**3.20**	.80	**.80**	**.20**	8.00	**8.90**	5.00	**5.20**	**264** A
Truckers Special, 4-8-5	Baltimore	4.00	**4.03**	3.20	**3.40**	.80	**.63**	**.30**	8.00	**8.60**	5.00	**5.20**	**268** A
‡Special Fish Guano Brand, 3-12-6	Mt. Lake Park	3.00	**3.17**	2.10	**2.33**	.90	**.84**	**.60**	12.00	**13.00**	6.00	**6.68**	**185** A
Special Potato Fertilizer, 3-8-8	Laurel	3.00	**3.07**	2.40	**2.49**	.60	**.58**	**.60**	8.00	**8.50**	8.00	**8.48**	**182** A
Special Potato Fertilizer, 3-8-8	Trego	3.00	**3.10**	2.40	**2.44**	.60	**.66**	**.60**	8.00	**8.80**	8.00	**8.38**	**187** A
‡Special Potato Fertilizer, 3-8-8	Baltimore	3.00	**3.20**	2.40	**2.43**	.60	**.77**	**.60**	8.00	**8.00**	8.00	**8.00**	**172** A
Reliable Crop Grower, 2-12-4	Baltimore	2.00	**2.11**	1.40	**1.52**	.60	**.59**	**.50**	12.00	**12.30**	4.00	**4.31**	**6** B
Reliable Crop Grower, 2-12-4	Baltimore	2.00	**2.16**	1.40	**1.50**	.60	**.66**	**.60**	12.00	**12.20**	4.00	**4.16**	**19** A
Special Guano, 2-9-5	Baltimore	2.00	**2.01**	1.40	**1.38**	.60	**.63**	**.50**	9.00	**9.60**	5.00	**5.51**	**61** A
Special Guano, 2-9-5	Baltimore	2.00	**2.22**	1.40	**1.38**	.60	**.84**	**.40**	9.00	**9.60**	5.00	**5.35**	**35** A
Special Guano, 2-9-5	Laurel	2.00	**2.04**	1.40	**1.38**	.60	**.66**	**.30**	9.00	**9.30**	5.00	**5.46**	**27** A
Special Guano, 2-9-5	Baltimore	2.00	**2.01**	1.40	**1.44**	.60	**.57**	**.50**	9.00	**9.60**	5.00	**5.28**	**51** A
Gilt Edge Crop Grower, 2-8-10	Baltimore	2.00	**2.09**	1.40	**1.33**	.60	**.76**	**.30**	8.00	**8.40**	10.00	**10.24**	**9** A
Peerless Fertilizer, 1-10-5	Baltimore	1.00	**1.21**	.20	**.28**	.80	**.93**	**.30**	10.00	**10.70**	5.00	**5.78**	**93** B
Sulphate of Ammonia, 20.50-0-0	Baltimore	20.50	**20.64**	----	----	----	----	----	----	----	----	----	----
Pure Fine Ground Bone Meal, 3.70-T.P.A.20-0	Baltimore	3.70	**3.76**	----	----	----	----	----	*20.00	***22.90**	----	----	----
‡Muriate of Potash, 0-0-48	Mt. Lake Park	----	----	----	----	----	----	----	----	----	48.00	**46.80**	----
Griffith and Turner Co., Baltimore, Md.													
Grass Fertilizer, 9-5-2	Baltimore	9.00	**9.03**	7.20	**7.20**	1.80	**1.83**	**.20**	5.00	**5.80**	2.00	**2.42**	**733** A
Garden Fertilizer, 4-8-7	Baltimore	4.00	**3.99**	3.20	**3.09**	.80	**.90**	**.30**	8.00	**9.00**	7.00	**7.29**	**246** A
Rose Fertilizer, 3-12-6	Baltimore	3.00	**3.30**	2.10	**2.42**	.90	**.88**	**.70**	12.00	**12.00**	6.00	**6.00**	**193** A
Soft Ground Bone, 3-T.P.A.14-0	Baltimore	3.00	**3.09**	----	----	----	----	----	*14.00	***17.70**	----	----	----
Soft Ground Bone, 3-T.P.A.14-0	Baltimore	3.00	**3.05**	----	----	----	----	----	*14.00	***17.20**	----	----	----
Hampstead Fertilizer Co., Hampstead, Md.													
Hampstead's 4-8-7	Hampstead	4.00	**4.03**	3.25	**3.22**	.75	**.81**	**.40**	8.00	**8.80**	7.00	**7.22**	**150** A
Hampstead's 4-8-7	Hampstead	4.00	**3.76**	3.25	**2.90**	.75	**.86**	**.30**	8.00	**8.50**	7.00	**7.29**	**148** A
Hampstead's 2-9-5	Hampstead	2.00	**2.15**	1.40	**1.54**	.60	**.61**	**.30**	9.00	**10.40**	5.00	**5.12**	**119** B
Hampstead's 2-9-5	Hampstead	2.00	**2.08**	1.40	**1.61**	.60	**.47**	**.40**	9.00	**9.60**	5.00	**4.66**	**90** B
Hampstead's Superphosphate, 0-16-0	Hampstead							**.80**	16.00	**16.20**			

Hampstead's 2-9-5	Hampstead	2.00	**2.08**	1.40	**1.61**	.60	.47	.40	9.00	**9.60**	5.00	**4.66**	90 B
Hampstead's Superphosphate, 0-16-0	Hampstead	----	----	----	----	----	----	.80	16.00	**16.20**	----	----	----
Hampstead's Superphosphate, 0-16-0	Hampstead	----	----	----	----	----	----	.80	16.00	**16.30**	----	----	----
Heil Co., Milwaukee, Wis.													
Registered by Herbert Bryant, Inc., Alexandria, Va.													
‡Heil Quality Sheep Manure	Silver Spring	2.00	**2.08**	----	----	----	----	----	*1.50	***1.60**	2.00	**2.40**	----
A. H. Hoffman, Inc., Landisville, Pa.													
Hoffman's Plant Food	Baltimore	5.00	**5.34**	3.50	**3.17**	1.50	**2.17**	.60	8.00	**11.40**	6.00	**6.21**	133 A
Hoffman's Cow Manure, 2-T.P.A.2-2	Baltimore	2.00	**2.01**	----	----	----	----	----	*2.00	***1.80**	2.00	**2.00**	----
Hoffman's Sheep Manure, 1.85-T.P.A.1-2	Baltimore	1.85	**1.97**	----	----	----	----	----	*1.00	***1.60**	2.00	**2.02**	----
Horsey, Roe and Co., Greensboro, Md.													
Gromore, 6-8-5	Greensboro	6.00	**6.00**	4.50	**4.40**	1.50	**1.60**	.30	8.00	**8.60**	5.00	**5.28**	118 A
Trucker's Pride, 4-8-7	Greensboro	4.00	**4.18**	3.00	**3.11**	1.00	**1.07**	.20	8.00	**9.10**	7.00	**8.08**	10 A
Trucker's Pride, 4-8-7	Greensboro	4.00	**4.14**	3.00	**3.15**	1.00	.99	.30	8.00	**8.80**	7.00	**8.30**	12 A
Tomato Fertilizer, 3-8-10	Greensboro	3.00	**3.33**	1.50	**2.16**	1.50	**1.17**	.60	8.00	**8.20**	10.00	**11.34**	127 A
Tomato Fertilizer, 3-8-10	Greensboro	3.00	**3.86**	1.50	**1.42**	1.50	**2.44**	.40	8.00	**8.10**	10.00	**11.34**	84 A
Suregro, 2-9-5	Greensboro	2.00	**2.11**	1.40	**1.40**	.60	.71	.20	9.00	**9.40**	5.00	**6.21**	56 A
Huston, Culver and Co., Inc., Seaford, Del.													
Huston, Culver and Co's 6%, 6-6-5	Federalsburg	6.00	**6.57**	5.00	**4.72**	1.00	**1.85**	.60	6.00	**10.00**	5.00	**5.28**	443 A
Huston, Culver and Co's 6%, 6-6-5	Federalsburg	6.00	**6.96**	5.00	**4.84**	1.00	**2.12**	.60	6.00	**7.90**	5.00	**7.10**	330 A
Truck Guano, 5-8-12	Federalsburg	5.00	**5.81**	4.00	**4.41**	1.00	**1.40**	.30	8.00	**8.10**	12.00	**11.02**	324 A
Huston, Culver and Co's Special, 4-8-7	Federalsburg	4.00	**4.62**	3.00	**3.73**	1.00	.89	.30	8.00	**8.40**	7.00	**5.74**	139 A
Trucker, 4-8-5	Federalsburg	4.00	**4.45**	3.00	**3.71**	1.00	.74	.30	8.00	**9.10**	5.00	**5.20**	33 A
Trucker, 4-8-5	Federalsburg	4.00	**4.77**	3.00	**3.72**	1.00	**1.05**	.70	8.00	**8.00**	5.00	**6.91**	35 A
†Sweet Potato Mixture, 3-8-10	Federalsburg	3.00	**3.00**	2.00	**2.70**	1.00	.30	.30	8.00	**8.30**	10.00	**10.70**	49 B
‡Rock and Kainit	Federalsburg	----	----	----	----	----	----	.30	8.00	**10.10**	8.00	**9.02**	----
Maryland Milling and Supply Co., Sykesville, Md.													
M. M. & C. Co. Potato Guano, 6-6-5	Sykesville	6.00	**6.00**	5.50	**5.55**	.50	.45	.20	6.00	**7.10**	5.00	**6.13**	525 A
M. M. & C. Co. Potato Guano, 6-6-5	Sykesville	6.00	**5.98**	5.50	**5.55**	.50	.43	.20	6.00	**6.80**	5.00	**6.38**	474 A
Forthman's Special, 5-10-5	Sykesville	5.00	**4.98**	4.75	**4.76**	.25	.22	.20	10.00	**10.90**	5.00	**5.42**	409 A
Forthman's Special, 5-10-5	Sykesville	5.00	**5.00**	4.75	**4.70**	.25	.30	.20	10.00	**10.30**	5.00	**5.12**	450 A
1936 Special Crop Mixture, 2-12-5	Sykesville	2.00	**2.01**	1.75	**1.77**	.25	.24	.70	12.00	**12.00**	5.00	**6.21**	23 B
Newman's Favorite, 2-9-5	Sykesville	2.00	**2.13**	1.50	**1.76**	.50	.37	.20	9.00	**9.80**	5.00	**6.36**	73 B
Newman's Favorite, 2-9-5	Sykesville	2.00	**2.01**	1.50	**1.63**	.50	.38	.40	9.00	**9.60**	5.00	**5.78**	82 B
Dietrich's Favorite, 1-10-5	Sykesville	1.00	**1.12**	.75	**.91**	.25	.21	.50	10.00	**10.40**	5.00	**6.68**	181 B
Phosphate and Potash, 0-12-5	Sykesville	----	----	----	----	----	----	.20	12.00	**13.80**	5.00	**5.46**	----
High Grade Super-Phosphate, 0-16-0	Sykesville	----	----	----	----	----	----	.20	16.00	**17.60**	----	----	----

‡Not Licensed at time of Sale. †Mineral and Organic findings do not substantiate manufacturers declaration. *Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total FOUND	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral FOUND	NITROGEN (N) Organic Declared	NITROGEN (N) Organic FOUND	PHOSPHORIC ACID (P_2O_5) Insoluble FOUND	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available FOUND	POTASH (K_2O) Guaranteed	POTASH (K_2O) FOUND	Acidity A Basicity B FOUND
Massey and Wilmer, Chestertown, Md.													
Tom Jr., 4-8-5	Chestertown	4.00	**4.13**	3.00	**3.29**	1.00	**.84**	**.80**	8.00	**8.70**	5.00	**4.50**	**25 B**
Tom Jr., 4-8-5	Chestertown	4.00	**4.00**	3.00	**3.13**	1.00	**.87**	**.80**	8.00	**8.80**	5.00	**4.34**	**89 B**
Trustworthy, 2-9-5	Chestertown	2.00	**1.80**	1.00	**.84**	1.00	**.96**	**.80**	9.00	**9.00**	5.00	**6.68**	**218 B**
Trustworthy, 2-9-5	Chestertown	2.00	**1.66**	1.00	**.87**	1.00	**.79**	**.80**	9.00	**8.80**	5.00	**6.29**	**323 B**
Propagator, 2-8-10	Chestertown	2.00	**2.01**	1.00	**1.12**	1.00	**.89**	**.60**	8.00	**8.00**	10.00	**11.96**	**336 B**
Crop Producer, 1-10-5	Chestertown	1.00	**1.01**	.80	**.87**	.20	**.14**	**.60**	10.00	**10.90**	5.00	**5.98**	**152 B**
0-10-10	Chestertown	----	----	----	----	----	----	**.80**	10.00	**10.30**	10.00	**10.56**	----
0-10-10	Chestertown	----	----	----	----	----	----	**.80**	10.00	**9.50**	10.00	**10.54**	----
0-12-5	Chestertown	----	----	----	----	----	----	**1.30**	12.00	**12.10**	5.00	**5.67**	----
0-12-5	Chestertown	----	----	----	----	----	----	**.60**	12.00	**12.00**	5.00	**5.74**	----
Super-Phosphate, 0-16-0	Chestertown	----	----	----	----	----	----	**1.40**	16.00	**17.10**	----	----	----
Master Meat Products Co., Detroit, Mich.													
Master Bone Meal, 4-T.P.A.25-0	Baltimore	4.00	**4.09**	----	----	----	----	----	*25.00	***24.20**	----	----	----
Medford Fertilizer Works, Medford, Md.													
2-9-5	Medford	2.00	**2.02**	1.50	**1.46**	.50	**.56**	**.50**	9.00	**9.90**	5.00	**5.42**	**9 B**
1-10-5	Medford	1.00	**1.04**	.75	**.56**	.25	**.48**	**.30**	10.00	**9.50**	5.00	**5.74**	**149 B**
Frederick Mehring Fertilizer Works, Inc., Keymar, Md.													
Mehring's Early Truck Guano, 4-8-7	Keymar	4.00	**4.00**	3.60	**3.31**	.40	**.69**	**.40**	8.00	**9.00**	7.00	**7.37**	**99 A**
Mehring's Early Truck Guano, 4-8-7	Woodsboro	4.00	**4.24**	3.60	**3.86**	.40	**.38**	**.60**	8.00	**8.30**	7.00	**7.29**	**93 A**
Mehring's Early Truck Guano, 4-8-7	Keymar	4.00	**4.03**	3.60	**3.55**	.40	**.48**	**.60**	8.00	**8.80**	7.00	**7.14**	**96 A**
Mehring's Indian Chief, 2-12-6	Keymar	2.00	**2.02**	1.60	**1.63**	.40	**.39**	**.60**	12.00	**12.30**	6.00	**6.60**	**76 B**
Mehring's Mammouth Truck Grower, 2-9-5	Keymar	2.00	**2.05**	1.60	**1.63**	.40	**.42**	**.30**	9.00	**9.50**	5.00	**5.04**	**163 B**
Mehring's Mammouth Truck Grower, 2-9-5	Keymar	2.00	**2.01**	1.60	**1.74**	.40	**.27**	**.40**	9.00	**9.70**	5.00	**5.00**	**222 B**
Mehring's Big Four, 1-10-5	Keymar	1.00	**1.08**	.60	**.88**	.40	**.20**	**.60**	10.00	**10.80**	5.00	**5.00**	**129 B**
Mehring's Big Four, 1-10-5	Keymar	1.00	**1.26**	.60	**.81**	.40	**.45**	**1.20**	10.00	**10.40**	5.00	**5.40**	**186 B**
Mehring's Potash Mixture, 0-12-5	Keymar	----	----	----	----	----	----	**.40**	12.00	**12.70**	5.00	**5.28**	----
‡Mehring's Superphosphate, 0-20-0	Keymar	----	----	----	----	----	----	**.80**	20.00	**21.20**	--	----	----
‡Mehring's Superphosphate, 0-16-0	Keymar	----	----	----	----	----	----	**.90**	16.00	**16.70**	----	----	----

‡Mehring's Superphosphate, 0-16-0	Keymar	----	----	----	----	----	----	.90	16.00	16.70	----	----	----	
Meyer Seed Co., Baltimore, Md.														
M-S. Lawn and Plant Food, 6-6-5	Baltimore	6.00	6.21	3.60	3.61	2.40	2.60	.50	6.00	6.60	5.00	5.12	91	A
Miller Fertilizer Co., Baltimore, Md.														
Miller Tobacco Fertilizer, 8-5-2	Baltimore	8.00	8.00	7.20	7.14	.80	.86	.20	5.00	5.50	2.00	2.50	607	A
Miller Special, 6-6-5	Baltimore	6.00	5.98	3.60	3.68	2.40	2.30	.50	6.00	6.60	5.00	5.20	252	A
Miller Special, 6-6-5	Baltimore	6.00	6.05	3.60	3.73	2.40	2.32	.50	6.00	6.80	5.00	5.35	275	A
Miller Special, 6-6-5	Baltimore	6.00	5.98	3.60	3.76	2.40	2.22	.50	6.00	6.70	5.00	5.43	262	A
Miller Fertilizer, 6-6-5	Baltimore	6.00	5.96	5.40	5.19	.60	.77	.30	6.00	6.70	5.00	5.12	375	A
Miller Fertilizer, 6-6-5	Baltimore	6.00	6.22	5.40	5.48	.60	.74	.30	6.00	6.40	5.00	5.04	356	A
Miller Fertilizer, 6-6-5	Baltimore	6.00	6.04	5.40	5.31	.60	.73	.20	6.00	6.90	5.00	5.12	337	A
‡Miller Fertilizer, 6-6-5	Baltimore	6.00	6.00	5.40	5.25	.60	.75	.30	6.00	6.90	5.00	5.16	318	A
Miller Fertilizer, 5-8-12	Baltimore	5.00	5.29	4.50	4.72	.50	.57	.30	8.00	8.10	12.00	12.20	343	A
Miller Fertilizer, 5-8-12	Baltimore	5.00	4.86	4.50	4.04	.50	.82	.30	8.00	8.90	12.00	12.38	318	A
‡Miller Fertilizer, 5-8-12	Baltimore	5.00	5.04	4.50	4.56	.50	.48	.30	8.00	8.50	12.00	12.88	344	A
Miller Fertilizer, 5-8-12	Baltimore	5.00	5.05	4.50	4.45	.50	.60	.30	8.00	8.80	12.00	12.10	284	A
‡Miller Tobacco Fertilizer, 4-8-12	Baltimore	4.00	4.00	3.50	3.09	.50	.91	.40	8.00	8.50	12.00	12.20	209	A
‡Miller Fertilizer, 4-8-10	Denton	4.00	3.99	3.50	3.43	.50	.56	.50	8.00	8.50	10.00	10.86	50	A
‡Miller Fertilizer, 4-8-10	Baltimore	4.00	4.03	3.50	3.40	.50	.63	.30	8.00	8.50	10.00	10.40	158	A
Miller Fertilizer, 4-8-7	Baltimore	4.00	3.99	3.50	3.38	.50	.61	.40	8.00	8.90	7.00	7.29	135	A
Miller Fertilizer, 4-8-7	Baltimore	4.00	4.04	3.50	3.48	.50	.56	.40	8.00	8.70	7.00	7.06	130	A
Miller Fertilizer, 4-8-7	Baltimore	4.00	3.99	3.50	3.40	.50	.59	.50	8.00	8.80	7.00	6.83	131	A
Miller Fertilizer, 4-8-7	Baltimore	4.00	3.89	3.50	3.61	.50	.28	.50	8.00	9.00	7.00	7.22	128	A
Miller Fertilizer, 4-8-7	Baltimore	4.00	4.13	3.50	3.48	.50	.65	.60	8.00	8.10	7.00	7.18	109	A
Miller Fertilizer, 4-8-5	Laurel	4.00	3.86	3.50	3.14	.50	.72	.50	8.00	9.00	5.00	5.34	67	A
Miller Fertilizer, 4-8-5	Baltimore	4.00	4.02	3.50	3.34	.50	.68	.70	8.00	8.00	5.00	5.24	99	A
Miller Fertilizer, 3-12-6	Baltimore	3.00	3.00	2.50	2.39	.50	.61	.90	12.00	12.50	6.00	6.34	147	A
‡Miller Fertilizer, 3-10-10	Baltimore	3.00	3.16	2.50	2.81	.50	.35	.40	10.00	10.30	10.00	10.70	129	A
Miller Fertilizer, 3-8-10	Cambridge	3.00	3.05	2.50	2.44	.50	.61	.50	8.00	8.10	10.00	8.52	58	A
‡Miller Fertilizer, 3-8-10	Baltimore	3.00	2.99	2.50	2.35	.50	.64	.50	8.00	8.70	10.00	10.00	46	A
‡Miller Fertilizer, 2-12-6	Baltimore	2.00	2.11	1.50	1.61	.50	.50	.70	12.00	12.80	6.00	6.44	80	A
Miller Fertilizer, 2-12-4	Baltimore	2.00	2.08	1.50	1.49	.50	.59	.90	12.00	12.90	4.00	4.04	36	B
Miller Fertilizer, 2-9-5	Baltimore	2.00	1.98	1.50	1.34	.50	.64	.60	9.00	9.50	5.00	5.41	27	B
Miller Fertilizer, 2-9-5	Baltimore	2.00	2.02	1.50	1.52	.50	.50	.40	9.00	9.00	5.00	5.28	12	B
Miller Fertilizer, 2-9-5	Laurel	2.00	2.01	1.50	1.33	.50	.68	.40	9.00	9.10	5.00	5.35	18	A
Miller Fertilizer, 2-9-5	Linwood	2.00	2.01	1.50	1.50	.50	.51	.80	9.00	9.00	5.00	5.12	20	A
Miller Fertilizer, 2-9-5	Baltimore	2.00	1.99	1.50	1.35	.50	.64	.40	9.00	9.10	5.00	5.12	7	A
Miller Fertilizer, 2-9-5	Baltimore	2.00	2.25	1.50	1.74	.50	.51	.60	9.00	9.80	5.00	5.00	12	A
Miller Fertilizer, 2-8-10	Baltimore	2.00	2.05	1.50	1.40	.50	.65	.30	8.00	8.40	10.00	10.36	33	B
Miller Fertilizer, 2-8-10	Baltimore	2.00	2.22	1.50	1.52	.50	.70	.40	8.00	8.70	10.00	10.40	15	A
Miller Fertilizer, 2-8-10	Baltimore	2.00	2.01	1.50	1.35	.50	.66	.40	8.00	7.50	10.00	10.26	52	B
Miller Fertilizer, 2-8-10	Friendsville	2.00	2.13	1.50	1.61	.50	.52	.70	8.00	8.40	10.00	10.08	21	A

‡Not Licensed at time of Sale. †Mineral and Organic findings do not substantiate manufacturers declaration. *Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total FOUND	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral FOUND	NITROGEN (N) Organic Declared	NITROGEN (N) Organic FOUND	PHOSPHORIC ACID (P_2O_5) Insoluble FOUND	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available FOUND	POTASH (K_2O) Guaranteed	POTASH (K_2O) FOUND	Acidity A Basicity B FOUND
Miller Fertilizer Co., Baltimore, Md. (Continued)													
Miller Fertilizer, 2-8-10	Baltimore	2.00	**2.13**	1.50	**1.49**	.50	**.64**	**.50**	8.00	**7.80**	10.00	**10.40**	**15** A
Miller 1-10-5 Fertilizer	Baltimore	1.00	**1.14**	.50	**.55**	.50	**.59**	**.60**	10.00	**10.20**	5.00	**5.31**	**77** B
Miller 1-10-5 Fertilizer	Linwood	1.00	**1.19**	.50	**.66**	.50	**.53**	**.80**	10.00	**10.10**	5.00	**5.35**	**130** B
Miller Fertilizer, 0-10-10	Baltimore	----	----	----	----	----	----	**1.00**	10.00	**10.40**	10.00	**10.40**	----
‡Miller Fertilizer, 0-10-10	Baltimore	----	----	----	----	----	----	**1.10**	10.00	**10.10**	10.00	**10.40**	----
Miller Fertilizer, 0-12-5	Friendville	----	----	----	----	----	----	**1.20**	12.00	**12.20**	5.00	**5.21**	----
Miller Fertilizer, 0-12-5	Baltimore	----	----	----	----	----	----	**1.40**	12.00	**11.70**	5.00	**5.20**	----
‡Miller Superphosphate, 0-20-0	Baltimore	----	----	----	----	----	----	**.60**	20.00	**20.60**	----	----	----
Miller Superphosphate, 0-20-0	Baltimore	----	----	----	----	----	----	**.60**	20.00	**20.60**	----	----	----
Miller Superphosphate, 0-16-0	Baltimore	----	----	----	----	----	----	**.30**	16.00	**16.80**	----	----	----
Miller Superphosphate, 0-16-0	Baltimore	----	----	----	----	----	----	**.70**	16.00	**16.60**	----	----	----
‡Miller Lime and Phosphate, 0-16-0	Baltimore	----	----	----	----	----	----	**.80**	16.00	**16.70**	----	----	----
Mor-Life Plant Food Co., Baltimore, Md.													
†Mor-Life Plant Food	Baltimore	4.00	**3.69**	0.00	**.46**	4.00	**3.23**	----	*5.00	***5.10**	2.00	**2.40**	----
Mt. Airy Canning Co., Preston, Md.													
Special Pea and Truck Fertilizer, 5-10-5	Mt. Airy	5.00	**5.11**	2.50	**2.50**	2.50	**2.61**	**.90**	10.00	**10.80**	5.00	**5.82**	**40** A
‡†Wheat and Corn Fertilizer, 3-12-6	Mt. Airy	3.00	**3.30**	1.50	**1.12**	1.50	**2.18**	**1.90**	12.00	**11.50**	6.00	**7.53**	**17** A
G. Ober and Sons Co., Baltimore, Md.													
Ober's 10-5-2 Tobacco Fertilizer	Baltimore	10.00	**10.04**	8.50	**8.68**	1.50	**1.36**	**.80**	5.00	**5.10**	2.00	**2.36**	**746** A
Ober's 8-5-2 Tobacco Fertilizer	Huntingtown	8.00	**8.68**	6.80	**7.52**	1.20	**1.16**	**.60**	5.00	**5.30**	2.00	**2.36**	**835** A
Ober's 8-5-2 Tobacco Fertilizer	Waldorf	8.00	**8.82**	6.80	**7.80**	1.20	**1.02**	**.60**	5.00	**5.30**	2.00	**2.40**	**615** A
Ober's 8-5-2 Tobacco Fertilizer	Baltimore	8.00	**8.20**	6.80	**7.23**	1.20	**.97**	**.60**	5.00	**5.40**	2.00	**2.10**	**265** A
Ober's 8-5-2 Tobacco Fertilizer	Baltimore	8.00	**8.39**	6.80	**7.24**	1.20	**1.15**	**.70**	5.00	**5.50**	2.00	**2.38**	**564** A
Ober's 6-6-8 Tobacco Fertilizer	Waldorf	6.00	**5.98**	5.10	**5.15**	.90	**.83**	**.60**	6.00	**6.50**	8.00	**8.32**	**475** A
Ober's 6-6-8 Tobacco Fertilizer	Huntingtown	6.00	**6.00**	5.10	**5.34**	.90	**.66**	**.70**	6.00	**6.20**	8.00	**8.16**	**349** A
Ober's 6-6-8 Tobacco Fertilizer	Baltimore	6.00	**5.98**	5.10	**5.17**	.90	**.81**	**.60**	6.00	**6.40**	8.00	**8.38**	**325** A
Ober's 6-6-8 Tobacco Fertilizer	Baltimore	6.00	**6.09**	5.10	**5.22**	.90	**.87**	**.60**	6.00	**6.10**	8.00	**8.42**	**429** A
Ober's Lawn and Garden Fertilizer, 6-6-5	Baltimore	6.00	**5.91**	3.60	**3.62**	2.40	**2.29**	**.50**	6.00	**6.20**	5.00	**5.82**	**350** A
Ober's Old Formula Irish Potato Guano, 6-6-5	Baltimore	6.00	**6.04**	3.60	**3.65**	2.40	**2.39**	**.50**	6.00	**7.00**	5.00	**5.04**	**255** A

Ober's Old Formula Irish Potato Guano, 6-6-5	Baltimore	6.00	**6.04**	3.60	**3.65**	2.40	**2.39**	.50	6.00	**7.00**	5.00	**5.04**	**255** A
Ober's 4-8-12 Tobacco Fertilizer	Baltimore	4.00	**4.07**	2.80	**2.71**	1.20	**1.36**	.60	8.00	**8.40**	12.00	**12.00**	**217** A
Ober's 4-8-10 Tobacco Fertilizer	Baltimore	4.00	**4.04**	2.80	**2.83**	1.20	**1.21**	.80	8.00	**8.40**	10.00	**10.08**	**272** A
Ober's 4-8-7 Fertilizer	Baltimore	4.00	**4.02**	3.50	**3.48**	.50	.54	.50	8.00	**9.10**	7.00	**7.00**	**173** A
Ober's 4-8-5 Fertilizer	Baltimore	4.00	**3.99**	3.50	**3.31**	.50	.68	.40	8.00	**9.20**	5.00	**5.12**	**158** A
Ober's 4-8-5 Fertilizer	Baltimore	4.00	**4.00**	3.50	**3.41**	.50	.59	.60	8.00	**9.00**	5.00	**5.12**	**225** A
Ober's 4-8-5 Fertilizer	Baltimore	4.00	**4.04**	3.50	**3.51**	.50	.53	.50	8.00	**9.20**	5.00	**5.44**	**153** A
Ober's 3-12-6 Fertilizer	Baltimore	3.00	**3.09**	2.50	**2.36**	.50	.73	.50	12.00	**12.70**	6.00	**6.36**	**189** A
Ober's 2-12-4 Fertilizer	Baltimore	2.00	**2.11**	1.50	**1.52**	.50	.59	.50	12.00	**12.70**	4.00	**4.42**	**84** A
Ober's 2-9-5 Fertilizer	Owings Mills	2.00	**2.01**	1.50	**1.49**	.50	.52	.60	9.00	**9.70**	5.00	**5.04**	**16** B
Ober's 2-9-5 Fertilizer	Baltimore	2.00	**2.11**	1.50	**1.54**	.50	.57	.60	9.00	**9.60**	5.00	**5.28**	**3** B
Ober's 2-9-5 Fertilizer	Chestertown	2.00	**2.04**	1.50	**1.50**	.50	.54	.80	9.00	**9.30**	5.00	**5.35**	**21** A
Ober's 2-8-10 Fertilizer	Baltimore	2.00	**2.11**	1.50	**1.54**	.50	.57	.50	8.00	**8.50**	10.00	**10.40**	**44** A
Ober's 2-8-10 Fertilizer	Baltimore	2.00	**2.05**	1.50	**1.50**	.50	.55	.70	8.00	**8.30**	10.00	**10.22**	**48** A
Ober's 2-8-10 Fertilizer	Chestertown	2.00	**2.02**	1.50	**1.49**	.50	.53	.90	8.00	**8.60**	10.00	**10.86**	**2** A
Ober's 0-12-5 Fertilizer	Owings Mills	----	----	----	----	----	----	**1.10**	12.00	**12.30**	5.00	**5.04**	----
Ober's Superphosphate, 0-20-0	Westminster	----	----	----	----	----	----	.90	20.00	**20.60**	----	----	----
Ober's Superphosphate, 0-20-0	Baltimore	----	----	----	----	----	----	**1.00**	20.00	**18.30**	----	----	----
Ober's Superphosphate, 0-16-0	Baltimore	----	----	----	----	----	----	.50	16.00	**16.60**	----	----	----
Peerless Fertilizer Co., Chestertown, Md.													
Truckers Pride, 6-6-5	Chestertown	6.00	**6.01**	5.00	**4.99**	1.00	**1.02**	.30	6.00	**6.70**	5.00	**5.00**	**469** A
Truckers Pride, 6-6-5	Salisbury	6.00	**6.05**	5.00	**4.97**	1.00	**1.08**	.40	6.00	**6.50**	5.00	**5.40**	**372** A
Truckers Pride, 6-6-5	Salisbury	6.00	**6.00**	5.00	**5.31**	1.00	.69	.30	6.00	**6.20**	5.00	**6.13**	**498** A
5-8-12	Chestertown	5.00	**5.26**	4.00	**4.16**	1.00	**1.10**	.20	8.00	**8.20**	12.00	**13.38**	**359** A
5-8-12	Chestertown	5.00	**5.03**	4.00	**3.83**	1.00	**1.20**	.30	8.00	**8.40**	12.00	**13.20**	**394** A
5-8-12	Salisbury	5.00	**4.98**	4.00	**3.97**	1.00	**1.01**	.50	8.00	**8.20**	12.00	**12.72**	**17** A
5-8-12	Salisbury	5.00	**5.05**	4.00	**3.82**	1.00	**1.23**	.50	8.00	**8.00**	12.00	**14.36**	**389** A
4-8-10	Salisbury	4.00	**4.37**	3.50	**3.85**	.50	.52	.40	8.00	**7.20**	10.00	**10.40**	**312** A
"Melon Special," 4-8-7	Chestertown	4.00	**3.99**	2.00	**2.11**	2.00	**1.88**	.40	8.00	**8.80**	7.00	**8.00**	**208** A
"Melon Special," 4-8-7	Chestertown	4.00	**4.03**	2.00	**2.13**	2.00	**1.90**	.50	8.00	**8.10**	7.00	**9.48**	**173** A
"Melon Special," 4-8-7	Salisbury	4.00	**4.16**	2.00	**2.47**	2.00	**1.69**	.40	8.00	**7.80**	7.00	**8.30**	**195** A
4-8-7	Salisbury	4.00	**4.24**	3.50	**3.61**	.50	.63	.40	8.00	**8.10**	7.00	**7.76**	**307** A
4-8-7	Salisbury	4.00	**4.10**	3.50	**3.57**	.50	.53	.60	8.00	**8.00**	7.00	**7.45**	**168** A
4-8-7	Chestertown	4.00	**4.14**	3.50	**3.59**	.50	.55	.30	8.00	**8.30**	7.00	**7.92**	**262** A
Early Trucker, 4-8-5	Chestertown	4.00	**4.31**	3.50	**3.71**	.50	.60	.20	8.00	**8.30**	5.00	**5.40**	**325** A
Early Trucker, 4-8-5	Chestertown	4.00	**4.11**	3.50	**3.71**	.50	.40	.20	8.00	**8.10**	5.00	**5.60**	**318** A
Early Trucker, 4-8-5	Salisbury	4.00	**4.21**	3.50	**3.62**	.50	.59	.40	8.00	**8.40**	5.00	**5.35**	**196** A
Fish Brand Fertilizer, 3-8-10	Salisbury	3.00	**3.00**	2.50	**2.53**	.50	.47	.20	8.00	**7.50**	10.00	**10.02**	**218** A
Fish Brand Fertilizer, 3-8-10	Chestertown	3.00	**3.20**	2.50	**2.43**	.50	.77	.30	8.00	**8.40**	10.00	**10.08**	**218** A
Fish Brand Fertilizer, 3-8-10	Chestertown	3.00	**3.03**	2.50	**2.49**	.50	.54	.40	8.00	**8.00**	10.00	**11.96**	**154** A
Fish Brand Fertilizer, 3-8-10	Salisbury	3.00	**3.14**	2.50	**2.67**	.50	.47	.60	8.00	**7.80**	10.00	**11.34**	**144** A

‡Not Licensed at time of Sale. †Mineral and Organic findings do not substantiate manufacturers declaration. *Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total FOUND	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral FOUND	NITROGEN (N) Organic Declared	NITROGEN (N) Organic FOUND	PHOSPHORIC ACID (P_2O_5) Insoluble FOUND	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available FOUND	POTASH (K_2O) Guaranteed	POTASH (K_2O) FOUND	Acidity A Basicity B FOUND
Peerless Fertilizer Co., Chestertown, Md. (Cont'd.)													
‡3-8-8	Salisbury	3.00	**3.29**	2.50	**2.72**	.50	**.57**	**.30**	8.00	**8.10**	8.00	**8.32**	**211** A
Our Peerless, 2-9-5	Salisbury	2.00	**2.25**	1.75	**1.85**	.25	**.40**	**.20**	9.00	**9.20**	5.00	**5.40**	**161** A
Our Peerless, 2-9-5	Chestertown	2.00	**2.27**	1.75	**1.92**	.25	**.35**	**.30**	9.00	**7.90**	5.00	**5.04**	**125** A
2-8-10	Salisbury	2.00	**2.01**	1.50	**1.60**	.50	**.41**	**.20**	8.00	**7.80**	10.00	**10.24**	**123** A
2-8-10	Chestertown	2.00	**2.50**	1.50	**1.90**	.50	**.60**	**.20**	8.00	**8.30**	10.00	**10.24**	**108** A
‡Kainit 0-0-14	Salisbury	----	----	----	----	----	----	----	----	----	14.00	**13.50**	----
J. Richard Phillips, Jr., Berlin, Md.													
Red Top, 3-8-10	Berlin	3.00	**3.96**	1.95	**1.68**	1.05	**2.28**	**1.00**	8.00	**8.80**	10.00	**9.32**	**87** A
Plantabbs Corp., Baltimore, Md.													
Fulton's Plantabbs, 11-T.P.A.15-20	Baltimore	11.00	**11.42**	----	----	----	----	----	*15.00	***19.40**	20.00	**26.08**	----
Potomac Poultry Food Co., Inc., Baltimore, Md.													
4% Potash Potolime Baked Oyster Shell Lime, 0-0-4	Crisfield	** 41.00	** **43.51**	----	----	----	----	----	§.40	§.92	4.00	**4.04**	----
Warner W. Price, Smyrna, Del.													
Ralph's Fish Mixture, 3-8-8	----------	3.00	**3.06**	2.00	**1.91**	1.00	**1.15**	**.40**	8.00	**8.60**	8.00	**8.50**	**15** B
L. & P., 2-9-5	----------	2.00	**2.02**	1.25	**1.35**	.75	**.67**	**.70**	9.00	**9.10**	5.00	**5.08**	**203** B
Double X, 2-8-10	----------	2.00	**2.29**	1.25	**1.39**	.75	**.90**	**.50**	8.00	**8.50**	10.00	**10.00**	**59** B
0-12-5	----------	----	----	----	----	----	----	**.60**	12.00	**12.10**	5.00	**5.35**	----
Superphosphate, 0-16-0	----------	----	----	----	----	----	----	**1.20**	16.00	**16.20**	----	----	----
Pulverized Manure Co., Chicago, Ill.													
Wizard Brand Pulverized Sheep Manure 2-T. P. A. 1-2	Hyattsville	2.00	**2.01**	----	----	----	----	----	*1.00	***1.90**	2.00	**2.54**	----
Wizard Brand Cow Manure, 2-T.P.A.1-1	Baltimore	2.00	**1.91**	----	----	----	----	----	*1.00	***1.10**	1.00	**1.08**	----
Ramsburg Fertilizer Co., Frederick, Md.													
High Grade Trucking Fertilizer, 4-8-7	Frederick	4.00	**4.35**	3.20	**3.45**	.80	**.90**	**.40**	8.00	**9.20**	7.00	**7.76**	**141** A
High Grade Trucking Fertilizer, 4-8-7	Frederick	4.00	**4.00**	3.20	**3.34**	.80	**.66**	**.40**	8.00	**9.20**	7.00	**7.76**	**39** A
Royal Crop Grower, 2-12-6	Frederick	2.00	**2.12**	1.30	**1.38**	.70	**.74**	**.60**	12.00	**12.70**	6.00	**6.48**	**82** B
Royal Crop Grower, 2-12-6	Frederick	2.00	**2.05**	1.30	**1.40**	.70	**.65**	**.50**	12.00	**13.10**	6.00	**7.02**	**38** B

Royal Crop Grower, 2-12-6	Frederick	2.00	**2.05**	1.30	**1.40**	.70	**.65**	**.50**	12.00	**13.10**	6.00	**7.02**	**38 B**
Excelsior Plant Food 2-12-4	Frederick	2.00	**2.19**	1.30	**1.46**	.70	**.73**	**.70**	12.00	**12.80**	4.00	**4.89**	**3 A**
Excelsior Plant Food, 2-12-4	Frederick	2.00	**2.18**	1.30	**1.52**	.70	**.66**	**.50**	12.00	**12.90**	4.00	**4.66**	**103 B**
Old Virginia Compound, 2-9-5	Frederick	2.00	**2.01**	1.30	**1.38**	.70	**.63**	**.50**	9.00	**10.90**	5.00	**5.00**	**259 B**
Old Virginia Compound, 2-9-5	Frederick	2.00	**2.02**	1.30	**1.40**	.70	**.62**	**.70**	9.00	**10.10**	5.00	**5.90**	**313 B**
Corn and Potato Fertilizer, 1-10-5	Frederick	1.00	**1.26**	.45	**.62**	.55	**.64**	**.50**	10.00	**10.90**	5.00	**5.28**	**396 B**
Corn and Potato Fertilizer, 1-10-5	Frederick	1.00	**1.39**	.45	**.79**	.55	**.60**	**.40**	10.00	**11.30**	5.00	**5.12**	**364 B**
Special Rock and Potash, 0-12-5	Frederick	----	----	----	----	----	----	**.90**	12.00	**12.10**	5.00	**5.59**	----
Super Phosphate, 0-16-0	Frederick	----	----	----	----	----	----	**.70**	16.00	**16.40**	----	----	----
Super Phosphate, 0-16-0	Frederick	----	----	----	----	----	----	**.70**	16.00	**16.10**	----	----	----
Read Drug and Chemical Co., Baltimore, Md.													
Plantgro, 4-12-4	Baltimore	4.00	**4.11**	4.00	**3.55**	0.00	**.56**	**3.00**	12.00	**12.90**	4.00	**4.42**	----
Reindollar Co., Taneytown, Md.													
Trucker's Special, 4-8-7	Taneytown	4.00	**4.41**	3.20	**2.95**	.80	**1.46**	**.40**	8.00	**9.10**	7.00	**7.14**	**3 A**
Trucker's Special, 4-8-7	Taneytown	4.00	**4.13**	3.20	**2.93**	.80	**1.20**	**.40**	8.00	**8.70**	7.00	**7.76**	**17 B**
Grain Grower, 2-12-6	Taneytown	2.00	**2.47**	1.40	**1.49**	.60	**.98**	**.60**	12.00	**12.80**	6.00	**6.36**	**50 B**
Grain Grower, 2-12-6	Taneytown	2.00	**2.40**	1.40	**1.22**	.60	**1.18**	**.80**	12.00	**12.00**	6.00	**6.79**	**46 B**
Crop Grower, 2-9-5	Taneytown	2.00	**2.13**	1.50	**1.48**	.50	**.65**	**.30**	9.00	**10.30**	5.00	**5.82**	**40 B**
Crop Grower, 2-9-5	Taneytown	2.00	**2.13**	1.50	**1.51**	.50	**.62**	**.20**	9.00	**9.60**	5.00	**5.67**	**43 B**
Rock and Potash, 0-12-5	Taneytown	----	----	----	----	----	----	**.50**	12.00	**12.10**	5.00	**6.06**	----
Rock and Potash, 0-12-5	Taneytown	----	----	----	----	----	----	**.50**	12.00	**12.00**	5.00	**5.20**	----
Superphosphate, 0-16-0	Taneytown	----	----	----	----	----	----	**.30**	16.00	**17.50**	----	----	----
F. S. Royster Guano Co., Baltimore, Md.													
Royster Arrow Truck Guano, 6-6-5	Baltimore	6.00	**5.98**	3.60	**3.66**	2.40	**2.32**	**.40**	6.00	**6.80**	5.00	**5.04**	**11 B**
Royster Arrow Truck Guano, 6-6-5	Baltimore	6.00	**5.85**	3.60	**3.60**	2.40	**2.25**	**.50**	6.00	**6.50**	5.00	**5.40**	**12 B**
Royster Arrow Truck Guano, 6-6-5	Baltimore	6.00	**6.00**	3.60	**3.26**	2.40	**2.74**	**.20**	6.00	**6.30**	5.00	**5.28**	**55 B**
Royster Arrow Truck Guano, 6-6-5	Baltimore	6.00	**6.08**	3.60	**3.54**	2.40	**2.54**	**.30**	6.00	**6.60**	5.00	**5.36**	**69 B**
Royster Arrow Truck Guano, 6-6-5	Baltimore	6.00	**6.07**	3.60	**3.34**	2.40	**2.73**	**.40**	6.00	**6.40**	5.00	**5.20**	**47 B**
Royster Arrow Truck Guano, 6-6-5	Baltimore	6.00	**5.98**	3.60	**3.74**	2.40	**2.24**	**.50**	6.00	**6.70**	5.00	**5.67**	**18 B**
‡Royster Fonda Guano, 5-10-5	Friendsville	5.00	**5.05**	4.00	**3.79**	1.00	**1.26**	**.80**	10.00	**10.70**	5.00	**5.20**	**328 A**
‡Royster Fonda Guano, 5-10-5	Baltimore	5.00	**5.00**	4.00	**3.72**	1.00	**1.28**	**.50**	10.00	**10.40**	5.00	**5.35**	**78 A**
Royster Fertilizer, 5-8-12	Baltimore	5.00	**5.24**	4.00	**4.06**	1.00	**1.18**	**.30**	8.00	**8.90**	12.00	**12.24**	**11 A**
Royster Fertilizer, 5-8-12	Baltimore	5.00	**5.14**	4.00	**3.68**	1.00	**1.46**	**.40**	8.00	**8.50**	12.00	**12.00**	**9 A**
Royster Fertilizer, 5-8-12	Baltimore	5.00	**5.17**	4.00	**3.64**	1.00	**1.53**	**.30**	8.00	**8.80**	12.00	**12.40**	**81 B**
Royster Fertilizer, 5-8-12	Baltimore	5.00	**5.08**	4.00	**3.69**	1.00	**1.39**	**.30**	8.00	**8.60**	12.00	**12.40**	**15 B**
Royster Prize Guano, 4-8-10	Baltimore	4.00	**4.04**	3.20	**2.93**	.80	**1.11**	**.40**	8.00	**8.40**	10.00	**10.24**	**20 A**
Royster Prize Guano, 4-8-10	Baltimore	4.00	**4.13**	3.20	**3.08**	.80	**1.05**	**.30**	8.00	**8.60**	10.00	**10.40**	**19 B**
Royster Gold Dust Tobacco Guano, 4-8-7	Baltimore	4.00	**4.11**	2.00	**1.82**	2.00	**2.29**	**.50**	8.00	**8.70**	7.00	**7.00**	**34 B**
Royster Quality Trucker, 4-8-7	Mt. Lake Park	4.00	**4.21**	3.20	**3.02**	.80	**1.19**	**.50**	8.00	**8.20**	7.00	**7.06**	**1 B**

‡Not Licensed at time of Sale. *Total Phosphoric Acid. ** Calcium Oxide. § Magnesium Oxide.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total FOUND	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral FOUND	NITROGEN (N) Organic Declared	NITROGEN (N) Organic FOUND	PHOSPHORIC ACID (P_2O_5) Insoluble FOUND	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available FOUND	POTASH (K_2O) Guaranteed	POTASH (K_2O) FOUND	Acidity A Basicity B FOUND
F. S. Royster Guano Co., Baltimore, Md. (Cont'd.)													
Royster Quality Trucker, 4-8-7	Baltimore	4.00	**4.13**	3.20	**3.03**	.80	**1.10**	**.40**	8.00	**8.80**	7.00	**7.45**	**47 B**
Royster Quality Trucker, 4-8-7	Baltimore	4.00	**4.04**	3.20	**3.04**	.80	**1.00**	**.30**	8.00	**8.20**	7.00	**7.29**	**72 B**
Royster Quality Trucker, 4-8-7	Baltimore	4.00	**3.99**	3.20	**3.30**	.80	**.69**	**.40**	8.00	**8.50**	7.00	**7.29**	**52 B**
Royster Golden Weed Tobacco Guano, 4-8-5	Baltimore	4.00	**4.16**	2.00	**1.66**	2.00	**2.50**	**.70**	8.00	**8.80**	5.00	**5.28**	**66 B**
Royster Special Trucker, 4-8-5	Baltimore	4.00	**4.04**	3.20	**3.07**	.80	**.97**	**.30**	8.00	**8.20**	5.00	**5.20**	**2 B**
Royster Special Trucker, 4-8-5	Baltimore	4.00	**4.00**	3.20	**2.81**	.80	**1.19**	**.60**	8.00	**8.00**	5.00	**5.28**	**15 B**
Royster Special Trucker, 4-8-5	Baltimore	4.00	**4.00**	3.20	**3.06**	.80	**.94**	**.40**	8.00	**8.80**	5.00	**5.20**	**29 A**
Royster Special Trucker, 4-8-5	Baltimore	4.00	**4.10**	3.20	**3.07**	.80	**1.03**	**.40**	8.00	**8.80**	5.00	**5.44**	**28 B**
Royster Special Trucker, 4-8-5	Baltimore	4.00	**4.04**	3.20	**3.03**	.80	**1.01**	**.50**	8.00	**8.10**	5.00	**5.28**	**17 B**
Royster Curlew Guano, 3-12-6	Baltimore	3.00	**3.10**	2.40	**2.40**	.60	**.70**	**.80**	12.00	**12.10**	6.00	**6.21**	**31 B**
Royster Ideal Guano, 3-8-8	Cambridge	3.00	**2.99**	----	----	----	----	**.40**	8.00	**8.20**	8.00	**9.00**	----
Royster Md. Pride Tobacco Guano, 2-12-4	Baltimore	2.00	**2.05**	1.00	**.76**	1.00	**1.29**	**.90**	12.00	**12.80**	4.00	**4.19**	**7 B**
Royster Big Bully Guano, 2-9-5	Baltimore	2.00	**2.02**	1.60	**1.53**	.40	**.49**	**.20**	9.00	**9.50**	5.00	**5.20**	**27 B**
Royster Big Bully Guano, 2-9-5	Baltimore	2.00	**2.06**	1.60	**1.58**	.40	**.48**	**.40**	9.00	**9.60**	5.00	**5.35**	**70 B**
Royster Banner Guano, 2-8-10	Baltimore	2.00	**2.02**	1.60	**1.46**	.40	**.56**	**.30**	8.00	**8.30**	10.00	**10.36**	**74 B**
Royster Banner Guano, 2-8-10	Baltimore	2.00	**2.02**	1.60	**1.36**	.40	**.66**	**.60**	8.00	**8.40**	10.00	**10.00**	**38 B**
Royster Surety Guano, 1-10-5	Baltimore	1.00	**1.12**	.60	**.63**	.40	**.49**	**.40**	10.00	**10.60**	5.00	**5.42**	**144 B**
Royster Surety Guano, 1-10-5	Baltimore	1.00	**1.07**	.60	**.53**	.40	**.54**	**.60**	10.00	**10.40**	5.00	**5.40**	**180 B**
Royster Sulphate of Ammonia, 20.56-0-0	Baltimore	20.56	**20.56**	----	----	----	----	----	----	----	----	----	----
‡Royster Sheep Manure, 1.23-T.P.A.1-2	Mt. Lake Park	1.23	**1.71**	----	----	----	----	----	*1.00	***1.30**	2.00	**2.17**	----
Royster Muriate of Potash, 0-0-48	Baltimore	----	----	----	----	----	----	----	----	----	48.00	**50.10**	----
Royster Kainit, 0-0-20	Baltimore	----	----	----	----	----	----	----	----	----	20.00	**20.04**	----
Royster Superphosphate, 0-20-0	Baltimore	----	----	----	----	----	----	**.60**	20.00	**20.10**	----	----	----
Royster Superphosphate, 0-20-0	Baltimore	----	----	----	----	----	----	**.50**	20.00	**20.50**	----	----	----
Royster Superphosphate, 0-20-0	Baltimore	----	----	----	----	----	----	**.60**	20.00	**20.30**	----	----	----
Royster Superphosphate, 0-20-0	Baltimore	----	----	----	----	----	----	**.50**	20.00	**20.70**	----	----	----
Royster Superphosphate, 0-16-0	Baltimore	----	----	----	----	----	----	**1.30**	16.00	**16.10**	----	----	----
Royster Superphosphate, 0-16-0	Baltimore	----	----	----	----	----	----	**.90**	16.00	**16.50**	----	----	----
Royster Superphosphate, 0-16-0	Baltimore	----	----	----	----	----	----	**.70**	16.00	**16.40**	----	----	----
‡Royster Lime Phosphate, 0-16-0	Friendsville	----	----	----	----	----	----	**.60**	16.00	**16.00**	----	----	----

F. Rynveld and Sons, Inc., New York, N. Y.

F. Rynveld and Sons, Inc., New York, N. Y.													
Rynveld's Bone Meal Fertilizer, 2.47-T.P.A.22-0	Baltimore	2.47	**3.03**	----	----	----	----	----	*22.00	***26.00**	----	----	----
Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.													
Esskay Quality Plant Food, 5-9-4	Baltimore	5.00	**5.69**	0.00	**0.00**	5.00	**5.69**	**4.50**	9.00	**11.50**	4.00	**4.00**	**205 B**
‡Esskay Quality Plant Food, 5-9-4	Baltimore	5.00	**5.87**	0.00	**0.00**	5.00	**5.87**	**6.00**	9.00	**9.40**	4.00	**4.66**	**176 B**
M. L. Shoemaker and Co., Inc., Philadelphia, Pa.													
‡Shoemaker's "Swift-Sure" Superphosphate, 0-16-0	Pocomoke City	----	----	----	----	----	----	**1.00**	16.00	**16.80**	----	----	----
R. H. Slingluff Fertilizer Co., Baltimore, Md.													
Slingluff's 10% Tobacco Bed Special, 10-5-2	Baltimore	10.00	**9.78**	8.75	**8.48**	1.25	**1.30**	**.20**	5.00	**5.80**	2.00	**2.40**	**710 A**
Slingluff's 10% Tobacco Bed Special, 10-5-2	Upper Marlboro	10.00	**9.99**	8.75	**8.89**	1.25	**1.10**	**.20**	5.00	**5.50**	2.00	**2.44**	**758 A**
Slingluff's 10% Tobacco Bed Special, 10-5-2	Baltimore	10.00	**10.20**	8.75	**8.76**	1.25	**1.44**	**.30**	5.00	**5.40**	2.00	**2.25**	**708 A**
†Slingluff's Tobacco Bed Mixture, 8-5-2	Waldorf	8.00	**8.09**	7.50	**6.86**	.50	**1.23**	**.20**	5.00	**5.60**	2.00	**2.40**	**510 A**
Slingluff's Tobacco Bed Mixture, 8-5-2	Faulkner	8.00	**7.82**	7.50	**7.21**	.50	**.61**	**.20**	5.00	**5.80**	2.00	**2.40**	**580 A**
Slingluff's Tobacco Bed Mixture, 8-5-2	Baltimore	8.00	**8.05**	7.50	**7.18**	.50	**.87**	**.20**	5.00	**5.50**	2.00	**2.40**	**578 A**
Slingluff's Tobacco Bed Compound, 6-6-8	Waldorf	6.00	**6.22**	5.50	**5.84**	.50	**.38**	**.20**	6.00	**6.60**	8.00	**8.08**	**233 A**
Slingluff's Tobacco Bed Compound, 6-6-8	Baltimore	6.00	**6.11**	5.50	**5.52**	.50	**.59**	**.20**	6.00	**6.50**	8.00	**8.40**	**239 A**
6% Trucker, 6-6-5	Upper Marlboro	6.00	**6.14**	5.40	**5.64**	.60	**.50**	**.30**	6.00	**6.50**	5.00	**5.28**	**313 A**
Slingluff's 4-12-4	Baltimore	4.00	**4.11**	3.50	**3.54**	.50	**.57**	**1.40**	12.00	**12.10**	4.00	**4.48**	**52 A**
High Grade Tobacco, 4-8-12	Batlimore	4.00	**4.03**	3.25	**3.06**	.75	**.97**	**.40**	8.00	**8.80**	12.00	**12.48**	**200 A**
Long Red Tobacco, 4-8-10	Baltimore	4.00	**4.02**	3.25	**3.27**	.75	**.75**	**.40**	8.00	**8.80**	10.00	**9.62**	**240 A**
Truck and Potato, 4-8-7	Baltimore	4.00	**3.99**	3.50	**3.26**	.50	**.73**	**.40**	8.00	**8.80**	7.00	**7.00**	**168 A**
Big and Bright Tobacco, 4-8-5	Baltimore	4.00	**3.92**	3.25	**3.17**	.75	**.75**	**.40**	8.00	**8.10**	5.00	**5.00**	**176 A**
General Trucker, 4-8-5	Baltimore	4.00	**4.03**	3.40	**3.37**	.60	**.66**	**.50**	8.00	**9.10**	5.00	**5.40**	**183 A**
General Trucker, 4-8-5	Upper Marlboro	4.00	**3.79**	3.40	**2.98**	.60	**.81**	**.50**	8.00	**8.50**	5.00	**5.40**	**104 A**
Champion Phosphate, 2-9-5	Baltimore	2.00	**2.08**	1.40	**1.47**	.60	**.61**	**1.00**	9.00	**9.20**	5.00	**5.40**	**13 B**
Champion Phosphate, 2-9-5	Baltimore	2.00	**2.05**	1.40	**1.49**	.60	**.56**	**.60**	9.00	**9.40**	5.00	**4.85**	**5 A**
Superphosphate, 0-16-0	Upper Marlboro	----	----	----	----	----	----	**.70**	16.00	**16.50**	----	----	----
Southern States Cooperative, Inc., Richmond, Va.													
Southern States Quality 8-5-2 Plant Bed Tobacco	Huntingtown	8.00	**8.06**	7.20	**7.15**	.80	**.91**	**.90**	5.00	**5.30**	2.00	**2.60**	**98 A**
†Southern States Quality 6-6-5 Super Truck	Salisbury	6.00	**6.00**	3.60	**2.98**	2.40	**3.02**	**1.00**	6.00	**7.10**	5.00	**5.51**	**17 A**
‡Southern States Quality, 6-6-5	Westminster	6.00	**6.00**	4.80	**4.52**	1.20	**1.48**	**.50**	6.00	**6.90**	5.00	**5.50**	**23 A**
Southern States Quality, 5-8-12	Baltimore	5.00	**5.25**	4.00	**4.03**	1.00	**1.22**	**.90**	8.00	**8.20**	12.00	**12.38**	**207 A**
‡Southern States Quality, 5-8-12	Salisbury	5.00	**5.03**	4.00	**3.51**	1.00	**1.52**	**1.00**	8.00	**8.30**	12.00	**12.44**	**121 A**
‡Southern States Quality Open Formula 4-12-4 Fert.	Bel Air	4.00	**4.00**	3.20	**2.99**	.80	**1.01**	**1.40**	12.00	**12.90**	4.00	**4.42**	**128 A**
Southern States Quality, 4-8-10	Baltimore	4.00	**4.18**	3.20	**2.81**	.80	**1.37**	**1.10**	8.00	**8.90**	10.00	**10.56**	**115 B**
Southern States Quality, 4-8-7	Baltimore	4.00	**4.31**	3.20	**3.58**	.80	**.73**	**.80**	8.00	**8.70**	7.00	**7.40**	**32 A**
Southern States Quality, 4-8-7	Bel Air	4.00	**4.00**	3.20	**2.87**	.80	**1.13**	**1.00**	8.00	**8.40**	7.00	**7.16**	**94 B**

‡Not Licensed at time of Sale. †Mineral and Organic findings do not substantiate manufacturers declaration. *Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total FOUND	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral FOUND	NITROGEN (N) Organic Declared	NITROGEN (N) Organic FOUND	PHOSPHORIC ACID (P_2O_5) Insoluble FOUND	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available FOUND	POTASH (K_2O) Guaranteed	POTASH (K_2O) FOUND	Acidity A Basicity B FOUND
Southern States Cooperative, Inc., Richmond, Va.	(Cont'd.)												
Southern States Quality, 4-8-7	Westminster	4.00	**4.02**	3.20	**2.86**	.80	**1.16**	**1.00**	8.00	**8.40**	7.00	**7.00**	**133 B**
Southern States Quality, 4-8-5	Salisbury	4.00	**4.03**	3.20	**2.88**	.80	**1.15**	**1.20**	8.00	**8.10**	5.00	**5.40**	**197 B**
Southern States Quality, 3-8-10	Baltimore	3.00	**3.23**	2.40	**2.37**	.60	**.86**	**1.20**	8.00	**9.50**	10.00	**10.32**	**246 B**
3-8-10 Tilghman	Salisbury	3.00	**3.09**	2.25	**2.26**	.75	**.83**	**.70**	8.00	**8.60**	10.00	**10.50**	**315 B**
†3-8-10 Tilghman	Salisbury	3.00	**3.02**	2.25	**1.90**	.75	**1.12**	**1.30**	8.00	**8.10**	10.00	**9.62**	**380 B**
Southern States Quality, 2-12-4	Bel Air	2.00	**2.11**	1.60	**1.54**	.40	**.57**	**1.30**	12.00	**11.60**	4.00	**4.31**	**203 B**
Southern States Quality, 2-9-5	Bel Air	2.00	**2.16**	1.60	**1.54**	.40	**.62**	**1.30**	9.00	**10.10**	5.00	**6.13**	**241 B**
†Southern States Quality, 2-9-5	Hampstead	2.00	**2.02**	1.60	**1.33**	.40	**.69**	**1.30**	9.00	**9.40**	5.00	**5.38**	**376 B**
Southern States Quality, 2-8-10	Baltimore	2.00	**2.18**	1.60	**1.58**	.40	**.60**	**1.10**	8.00	**8.90**	10.00	**10.26**	**376 B**
‡Southern States Quality Raw Bone Meal, 3.70-T.P.A. 20-0	Hyattsville	3.70	**3.69**	----	----	----	----	----	*20.00	***23.20**	----	----	----
Southern States Quality Special Super-Phosphate, 0-16-0	Taneytown	----	----	----	----	----	----	**2.60**	16.00	**16.00**	----	----	----
Standard Wholesale Phosphate and Acid Works, Inc., Baltimore, Md.													
‡Standard 10-5-2	Baltimore	10.00	**9.65**	8.00	**7.80**	2.00	**1.85**	1.00	**5.00**	**7.30**	2.00	**2.80**	**728 A**
Prize Winning Formula, 6-6-5	Baltimore	6.00	**5.98**	4.50	**4.24**	1.50	**1.74**	**.50**	6.00	**7.10**	5.00	**5.20**	**68 B**
National Prosperity Brand, 6-6-5	Baltimore	6.00	**6.04**	3.60	**3.31**	2.40	**2.73**	**.50**	6.00	**6.70**	5.00	**5.35**	**85 B**
‡Standard 5-8-12	Denton	5.00	**5.92**	4.00	**4.89**	1.00	**1.03**	**.50**	8.00	**8.00**	12.00	**10.56**	**260 A**
Standard 4-12-4	Baltimore	4.00	**4.00**	3.20	**3.16**	.80	**.84**	**.70**	12.00	**12.30**	4.00	**4.12**	**158 A**
Standard 4-8-7	Baltimore	4.00	**4.25**	3.20	**3.35**	.80	**.90**	**.50**	8.00	**8.90**	7.00	**7.00**	**11 A**
Standard 4-8-7	Baltimore	4.00	**4.11**	3.20	**3.00**	.80	**1.11**	**.70**	8.00	**8.10**	7.00	**7.14**	**128 B**
Standard 4-8-7	Baltimore	4.00	**4.00**	3.20	**3.17**	.80	**.83**	**.70**	8.00	**8.00**	7.00	**7.22**	**161 A**
Standard 4-8-5	Baltimore	4.00	**4.03**	3.20	**2.98**	.80	**1.05**	**.40**	8.00	**8.60**	5.00	**5.60**	**20 A**
Standard 4-8-5	Baltimore	4.00	**4.06**	3.20	**3.00**	.80	**1.06**	**.90**	8.00	**8.50**	5.00	**5.16**	**105 B**
Standard 4-8-5	Baltimore	4.00	**4.02**	3.20	**3.17**	.80	**.85**	**.80**	8.00	**8.20**	5.00	**5.44**	**18 B**
Standard 3-12-6	Baltimore	3.00	**2.99**	2.40	**2.11**	.60	**.88**	**.80**	12.00	**12.10**	6.00	**6.00**	**115 A**
Standard 3-8-10	Baltimore	3.00	**3.17**	2.40	**2.49**	.60	**.68**	**.60**	8.00	**8.80**	10.00	**10.44**	**75 A**
Standard 3-8-10	Baltimore	3.00	**3.17**	2.40	**2.63**	.60	**.54**	**.70**	8.00	**8.20**	10.00	**10.16**	**88 A**
National Prosperity Brand, 2-12-6	Baltimore	2.00	**2.05**	1.60	**1.54**	.40	**.51**	**.80**	12.00	**12.50**	6.00	**6.36**	**11 A**
Standard 2-12-4	Baltimore	2.00	**2.06**	1.60	**1.47**	.40	**.59**	**.60**	12.00	**12.40**	4.00	**4.44**	**46 A**
Standard 2-9-5	Baltimore	2.00	**2.19**	1.60	**1.60**	.40	**.59**	**.40**	9.00	**9.30**	5.00	**5.36**	**16 B**

Standard 2-9-5	Baltimore	2.00	**2.19**	1.60	**1.60**	.40	**.59**	**.40**	9.00	**9.30**	5.00	**5.36**	**16 B**
Standard 2-8-10	Baltimore	2.00	**2.13**	1.60	**1.58**	.40	**.55**	**.90**	8.00	**8.20**	10.00	**10.24**	**6 A**
Standard 2-8-10	Cumberland	2.00	**2.15**	1.60	**1.95**	.40	**.20**	**.70**	8.00	**8.40**	10.00	**10.40**	**82 A**
Standard 1-10-5	Cumberland	1.00	**2.13**	.80	**1.77**	.20	**.36**	**.70**	10.00	**10.40**	5.00	**5.50**	**49 B**
Standard Steamed Bone Meal, 2.47-T.P.A.22-0	Cumberland	2.47	**2.63**	----	----	----	----	----	*22.00	***25.50**	----	----	----
Standard Pulverized Sheep Manure, 1.75-T.P.A.1-2	Cumberland	1.75	**1.76**	----	----	----	----	----	*1.00	***1.10**	2.00	**2.40**	----
Standard 0-12-5	Baltimore	----	----	----	----	----	----	**.40**	12.00	**12.30**	5.00	**5.44**	----
Standard Muriate of Potash, 0-0-48	Baltimore	----	----	----	----	----	----	----	----	----	48.00	**51.60**	----
George W. Standiford, Fallston, Md.													
Standiford's Truck Special, 4-8-5	Fallston	4.00	**3.99**	3.20	**3.09**	.80	**.90**	**.20**	8.00	**9.00**	5.00	**5.20**	**273 A**
Standiford's Corn and Wheat Grower, 2-9-5	Fallston	2.00	**2.02**	1.40	**1.33**	.60	**.69**	**.40**	9.00	**9.50**	5.00	**5.20**	**28 A**
Swift and Co. Fertilizer Works, Baltimore, Md.													
Swift's Red Steer Tobacco Grower, 8-5-2	Clinton	8.00	**7.73**	6.40	**6.53**	1.60	**1.20**	**.40**	5.00	**5.70**	2.00	**2.29**	**2 A**
Swift's Red Steer Tobacco Grower, 8-5-2	Baltimore	8.00	**7.98**	6.40	**6.62**	1.60	**1.36**	**.40**	5.00	**5.80**	2.00	**2.25**	**51 A**
†Swift's Red Steer, 6-6-5	Baltimore	6.00	**6.04**	4.50	**5.09**	1.50	**.95**	**.50**	6.00	**6.60**	5.00	**5.51**	**25 B**
Swift's Red Steer, 6-6-5	Baltimore	6.00	**5.76**	4.50	**4.64**	1.50	**1.12**	**.50**	6.00	**6.60**	5.00	**5.42**	**15 B**
Swift's Red Steer, 6-6-5	Baltimore	6.00	**5.62**	4.50	**4.62**	1.50	**1.00**	**.30**	6.00	**7.50**	5.00	**6.29**	**25 A**
†Swift's Red Steer, 6-6-5	Baltimore	6.00	**5.66**	4.50	**4.72**	1.50	**.94**	**.30**	6.00	**6.80**	5.00	**5.28**	**16 A**
Swift's Red Steer, 5-10-5	Baltimore	5.00	**4.75**	3.75	**3.26**	1.25	**1.49**	**.40**	10.00	**10.80**	5.00	**5.30**	**26 A**
‡Swift's Red Steer, 5-10-5	Baltimore	5.00	**5.10**	3.75	**3.97**	1.25	**1.13**	**1.10**	10.00	**10.00**	5.00	**5.20**	**58 A**
Swift's Red Steer, 5-8-12	Baltimore	5.00	**4.61**	3.75	**3.74**	1.25	**.87**	**.30**	8.00	**9.20**	12.00	**11.96**	**31 B**
Swift's Red Steer, 5-8-5	Baltimore	5.00	**5.12**	3.75	**4.21**	1.25	**.91**	**.50**	8.00	**8.70**	5.00	**5.28**	**22 A**
‡Swift's Red Steer, 5-8-5	Baltimore	5.00	**5.19**	3.75	**4.00**	1.25	**1.19**	**.60**	8.00	**8.40**	5.00	**5.32**	**17 A**
Vigoro, 4-12-4	Baltimore	4.00	**4.13**	4.00	**3.75**	0.00	**.38**	**.70**	12.00	**13.30**	4.00	**4.30**	----
Swift's Red Steer Tobacco Grower, 4-8-12	Baltimore	4.00	**4.70**	3.00	**3.77**	1.00	**.93**	**.20**	8.00	**8.10**	12.00	**11.48**	**29 A**
Swift's Red Steer Tobacco Grower 4-8-12	Baltimore	4.00	**3.99**	3.00	**2.73**	1.00	**1.26**	**.20**	8.00	**8.90**	12.00	**12.00**	**33 A**
Swift's Red Steer, 4-8-10	Baltimore	4.00	**4.44**	3.00	**3.51**	1.00	**.93**	**.30**	8.00	**8.20**	10.00	**10.40**	**63 A**
Swift's Red Steer, 4-8-10	Baltimore	4.00	**4.03**	3.00	**3.09**	1.00	**.94**	**.40**	8.00	**8.30**	10.00	**10.34**	**40 A**
Swift's Red Steer Tobacco Grower, 4-8-10	Baltimore	4.00	**3.97**	3.00	**2.76**	1.00	**1.21**	**.40**	8.00	**8.50**	10.00	**10.24**	**18 A**
Swift's Red Steer Tobacco Grower, 4-8-7	Baltimore	4.00	**3.64**	3.00	**2.76**	1.00	**.88**	**.40**	8.00	**9.20**	7.00	**7.22**	**16 A**
Swift's Ree Steer Tobacco Grower, 4-8-7	Baltimore	4.00	**4.16**	3.00	**3.23**	1.00	**.93**	**.40**	8.00	**8.40**	7.00	**7.14**	**5 A**
Swift's Red Steer, 4-8-7	Baltimore	4.00	**4.04**	3.00	**2.98**	1.00	**1.06**	**.50**	8.00	**8.90**	7.00	**7.37**	**3 A**
Swift's Red Steer, 4-8-7	Hagerstown	4.00	**3.99**	3.00	**3.11**	1.00	**.88**	**.50**	8.00	**8.80**	7.00	**7.72**	**19 B**
Swift's Red Steer, 4-8-7	Baltimore	4.00	**4.00**	3.00	**3.15**	1.00	**.85**	**.60**	8.00	**8.40**	7.00	**7.37**	**15 B**
Swift's Red Steer, 4-8-5	Baltimore	4.00	**4.11**	3.00	**3.05**	1.00	**1.06**	**.30**	8.00	**8.50**	5.00	**5.40**	**1 A**
Swift's Red Steer, 4-8-5	Baltimore	4.00	**4.00**	3.00	**3.20**	1.00	**.80**	**.30**	8.00	**8.80**	5.00	**5.31**	**13 B**
Swift's Red Steer, 4-8-5	Baltimore	4.00	**4.11**	3.00	**2.98**	1.00	**1.13**	**.40**	8.00	**8.50**	5.00	**5.36**	**3 A**
Swift's Red Steer, 4-8-5	Baltimore	4.00	**4.02**	3.00	**3.10**	1.00	**.92**	**.50**	8.00	**8.50**	5.00	**5.78**	**33 A**
Swift's Red Steer, 4-8-5	Baltimore	4.00	**4.03**	3.00	**2.91**	1.00	**1.12**	**.40**	8.00	**8.80**	5.00	**5.40**	**30 A**
Swift's Red Steer Tobacco Grower, 4-8-5	Baltimore	4.00	**4.00**	3.00	**2.91**	1.00	**1.09**	**.40**	8.00	**8.00**	5.00	**5.20**	**9 A**

‡Not Licensed at time of Sale. †Mineral and Organic findings do not substantiate manufacturers declaration. *Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total FOUND	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral FOUND	NITROGEN (N) Organic Declared	NITROGEN (N) Organic FOUND	PHOSPHORIC ACID (P_2O_5) Insoluble FOUND	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available FOUND	POTASH (K_2O) Guaranteed	POTASH (K_2O) FOUND	Acidity A Basicity B FOUND
Swift and Co. Fertilizer Works, Baltimore, Md. (Cont'd.)													
†Swift's Red Steer Tobacco Grower, 4-8-5	Baltimore	4.00	**3.43**	3.00	**2.34**	1.00	**1.09**	**.40**	8.00	**9.20**	5.00	**5.32**	**8 A**
Swift's Red Steer, 3-12-6	Hagerstown	3.00	**3.12**	2.40	**2.85**	.60	**.27**	**1.60**	12.00	**13.50**	6.00	**6.13**	**8 A**
Swift's Red Steer, 3-12-6	Baltimore	3.00	**3.09**	2.40	**2.78**	.60	**.31**	**.40**	12.00	**12.80**	6.00	**6.45**	**4 B**
Swift's Red Steer, 3-8-10	Baltimore	3.00	**3.00**	2.25	**2.16**	.75	**.84**	**.40**	8.00	**8.20**	10.00	**10.40**	**17 B**
Swift's Red Steer, 3-8-10	Baltimore	3.00	**3.00**	2.25	**2.24**	.75	**.76**	**.40**	8.00	**8.40**	10.00	**10.20**	**3 A**
Swift's Red Steer, 3-8-10	Baltimore	3.00	**3.00**	2.25	**2.37**	.75	**.63**	**.40**	8.00	**8.40**	10.00	**10.86**	**27 B**
Swift's Red Steer, 2-12-6	Hagerstown	2.00	**2.18**	1.50	**1.64**	.50	**.54**	**1.00**	12.00	**12.50**	6.00	**6.29**	**39 B**
Swift's Red Steer, 2-9-5	Baltimore	2.00	**1.99**	1.50	**1.41**	.50	**.58**	**.70**	9.00	**8.90**	5.00	**5.39**	**94 B**
Swift's Red Steer, 2-9-5	Reisterstown	2.00	**2.04**	1.50	**1.43**	.50	**.61**	**.60**	9.00	**9.70**	5.00	**5.28**	**105 A**
Swift's Red Steer Tobacco Grower, 2-8-10	Baltimore	2.00	**2.39**	1.50	**1.80**	.50	**.59**	**.40**	8.00	**8.00**	10.00	**10.02**	**29 B**
Swift's Red Steer, 2-8-10	Baltimore	2.00	**2.04**	1.50	**1.43**	.50	**.61**	**.40**	8.00	**8.50**	10.00	**10.34**	**101 B**
Swift's Red Steer, 2-8-10	Baltimore	2.00	**2.02**	1.50	**1.40**	.50	**.62**	**.40**	8.00	**8.40**	10.00	**10.40**	**71 B**
Swift's Red Steer, 2-8-10	Baltimore	2.00	**2.01**	1.50	**1.53**	.50	**.48**	**.40**	8.00	**8.30**	10.00	**10.36**	**82 B**
Bone Meal Fertilizer, 2.47-T.P.A.23-0	Hagerstown	2.47	**2.89**	----	----	----	----	----	*23.00	***24.20**	----	----	----
Swift's Sheep Manure, 1.85-T.P.A.1-1.75	Reisterstown	1.85	**1.84**	----	----	----	----	----	*1.00	***1.10**	1.75	**2.20**	----
Tennessee Corp., Lockland, Ohio													
Loma, 5-10-4	Baltimore	5.00	**5.04**	4.00	**4.53**	1.00	**.51**	**.70**	10.00	**10.90**	4.00	**4.23**	----
Thomas and Co., Frederick, Md.													
Pea mixture, 4-8-5	Gaithersburg	4.00	**3.81**	3.90	**3.40**	.10	**.41**	**.70**	8.00	**8.90**	5.00	**5.04**	**19 B**
Pea Mixture, 4-8-5	Gaithersburg	4.00	**3.99**	3.90	**3.73**	.10	**.26**	**.50**	8.00	**8.80**	5.00	**5.74**	**81 A**
†Wheat and Grass Grower, 2-9-5	Gaithersburg	2.00	**2.01**	1.80	**1.50**	.20	**.51**	**.60**	9.00	**10.00**	5.00	**5.40**	**186 B**
†Wheat and Grass Grower, 2-9-5	Gaithersburg	2.00	**1.78**	1.80	**1.38**	.20	**.40**	**.60**	9.00	**9.50**	5.00	**6.21**	**234 B**
Harvest Queen, 1-10-5	Gaithersburg	1.00	**2.46**	.80	**2.32**	.20	**.14**	**.80**	10.00	**10.20**	5.00	**4.26**	**182 B**
Rock and Potash, 0-12-5	Gaithersburg	----	----	----	----	----	----	**1.90**	12.00	**11.30**	5.00	**5.67**	----
Rock and Potash, 0-12-5	Gaithersburg	----	----	----	----	----	----	**1.40**	12.00	**11.80**	5.00	**5.28**	----
Superphosphate, 0-16-0	Gaithersburg	----	----	----	----	----	----	**1.80**	16.00	**16.80**	----	----	----
Superphosphate, 0-16-0	Gaithersburg	----	----	----	----	----	----	**1.60**	16.00	**15.30**	----	----	----

I. P. Thomas and Son Co., Camden, N. J.													
6% Guano, 6-6-5	Denton	6.00	**5.98**	4.50	**4.22**	1.50	**1.76**	**.90**	6.00	**6.80**	5.00	**5.12**	**37 B**
I. P. Thomas, 4-8-7	Denton	4.00	**3.99**	3.10	**2.95**	.90	**1.04**	**1.00**	8.00	**8.50**	7.00	**7.06**	**145 A**
Victor Potash, 2-9-5	Denton	2.00	**2.42**	1.25	**1.60**	.75	**.82**	**1.40**	9.00	**9.30**	5.00	**5.04**	**11 A**
I. P. Thomas, 2-8-10	Denton	2.00	**2.01**	1.25	**1.32**	.75	**.69**	**.90**	8.00	**8.90**	10.00	**10.44**	**82 A**
I. P. Thomas, 2-8-10	Denton	2.00	**2.13**	1.25	**1.52**	.75	**.61**	**1.20**	8.00	**8.40**	10.00	**10.44**	**75 A**
‡Sulphate of Ammonia, 20.50-0-0	Denton	20.50	**20.56**	----	----	----	----	----	----	----	----	----	----
‡Dairymen's Special, 0-10-10	Denton	----	----	----	----	----	----	**1.50**	10.00	**11.20**	10.00	**10.24**	----
Superphosphate, 0-16-0	Denton	----	----	----	----	----	----	**.70**	16.00	**17.40**	----	----	----
Wm. B. Tilghman Co., Inc., Salisbury, Md.													
Tilghman's "Q" Brand, 6-6-5	Salisbury	6.00	**6.00**	3.60	**4.03**	2.40	**1.97**	**.60**	6.00	**6.30**	5.00	**5.16**	**86 A**
Tilghman's "Q" Brand, 6-6-5	Salisbury	6.00	**6.21**	3.60	**3.88**	2.40	**2.33**	**.50**	6.00	**6.60**	5.00	**5.44**	**111 A**
Tilghman's Irish P. Guano, 6-6-5	Berlin	6.00	**6.00**	4.20	**4.17**	1.80	**1.83**	**.40**	6.00	**6.40**	5.00	**5.16**	**110 A**
Tilghman's Irish P. Guano, 6-6-5	Salisbury	6.00	**6.07**	4.20	**4.70**	1.80	**1.37**	**1.00**	6.00	**6.10**	5.00	**5.38**	**100 A**
Tilghman's Irish P. Guano, 6-6-5	Princess Anne	6.00	**6.12**	4.20	**4.75**	1.80	**1.37**	**.90**	6.00	**6.50**	5.00	**5.44**	**149 A**
Tilghman's Irish P. Guano, 6-6-5	Fruitland	6.00	**6.05**	4.20	**4.66**	1.80	**1.39**	**.30**	6.00	**6.30**	5.00	**5.00**	**190 A**
Tilghman's Irish P. Guano, 6-6-5	Princess Anne	6.00	**6.00**	4.20	**4.31**	1.80	**1.69**	**.50**	6.00	**6.50**	5.00	**5.16**	**123 A**
Tilghman's Irish P. Guano, 6-6-5	Salisbury	6.00	**6.00**	4.20	**4.21**	1.80	**1.79**	**.60**	6.00	**6.20**	5.00	**5.08**	**176 A**
†Tilghman's Special, 5-8-12	Salisbury	5.00	**3.73**	4.00	**2.63**	1.00	**1.10**	**.80**	8.00	**7.90**	12.00	**12.42**	**29 B**
Tilghman's Special, 5-8-12	Salisbury	5.00	**5.42**	4.00	**4.45**	1.00	**.97**	**.50**	8.00	**8.40**	12.00	**12.40**	**422 A**
Tilghman's Tomato Mixture, 4-8-10	Salisbury	4.00	**4.17**	3.20	**3.27**	.80	**.90**	**.80**	8.00	**8.80**	10.00	**10.08**	**187 A**
Tilghman's Tomato Mixture, 4-8-10	Salisbury	4.00	**4.18**	3.20	**3.61**	.80	**.57**	**.50**	8.00	**8.30**	10.00	**10.08**	**238 A**
Tilghman's Tomato Mixture, 4-8-10	Salisbury	4.00	**4.26**	3.20	**3.37**	.80	**.89**	**.50**	8.00	**8.20**	10.00	**10.40**	**214 A**
Tilghman's Regular, 4-8-7	Salisbury	4.00	**4.45**	3.20	**3.61**	.80	**.84**	**.90**	8.00	**8.50**	7.00	**7.84**	**149 A**
Tilghman's Regular, 4-8-7	Salisbury	4.00	**4.18**	3.20	**3.31**	.80	**.87**	**.50**	8.00	**8.20**	7.00	**7.37**	**98 A**
Tilghman's Melon Mixture, 4-8-7	Salisbury	4.00	**4.38**	2.00	**2.42**	2.00	**1.96**	**.70**	8.00	**8.60**	7.00	**7.02**	**121 A**
Tilghman's Melon Mixture, 4-8-7	Salisbury	4.00	**4.52**	2.00	**2.33**	2.00	**2.19**	**.60**	8.00	**8.50**	7.00	**7.18**	**113 A**
†Tilghman's Melon Mixture, 4-8-7	Salisbury	4.00	**4.10**	2.00	**2.84**	2.00	**1.26**	**1.20**	8.00	**8.60**	7.00	**7.57**	**195 A**
Tilghman's Early Trucker, 4-8-5	Berlin	4.00	**4.11**	3.20	**3.41**	.80	**.70**	**.70**	8.00	**8.00**	5.00	**5.04**	**22 A**
Tilghman's Early Trucker, 4-8-5	Vienna	4.00	**4.13**	3.20	**3.48**	.80	**.65**	**.60**	8.00	**8.10**	5.00	**5.44**	**29 A**
Tilghman's Early Trucker, 4-8-5	Salisbury	4.00	**4.24**	3.20	**3.31**	.80	**.93**	**.50**	8.00	**8.30**	5.00	**5.44**	**50 A**
Tilghman's Early Trucker, 4-8-5	Salisbury	4.00	**4.14**	3.20	**3.50**	.80	**.64**	**.60**	8.00	**8.00**	5.00	**5.35**	**20 A**
Tilghman's Early Trucker, 4-8-5	Fruitland	4.00	**4.16**	3.20	**3.48**	.80	**.68**	**.50**	8.00	**8.00**	5.00	**5.44**	**38 A**
Tilghman's Early Trucker, 4-8-5	Princess Anne	4.00	**4.07**	3.20	**3.51**	.80	**.56**	**.50**	8.00	**8.30**	5.00	**5.40**	**34 A**
Tilghman's Mixture "B," 3-8-10	Berlin	3.00	**3.16**	2.40	**2.39**	.60	**.77**	**.80**	8.00	**8.10**	10.00	**10.40**	**61 A**
Tilghman's Mixture "B," 3-8-10	Salisbury	3.00	**3.51**	2.40	**2.49**	.60	**1.02**	**.80**	8.00	**8.40**	10.00	**10.24**	**103 A**
Tilghman's Mixture "B," 3-8-10	Salisbury	3.00	**3.10**	2.40	**2.34**	.60	**.76**	**.80**	8.00	**8.00**	10.00	**10.08**	**51 B**
Tilghman's Standard, 2-9-5	Salisbury	2.00	**2.16**	1.60	**1.47**	.40	**.69**	**.90**	9.00	**8.70**	5.00	**5.74**	**153 B**
Tilghman's "SP," 2-8-10	Berlin	2.00	**2.08**	1.60	**1.64**	.40	**.44**	**.80**	8.00	**8.30**	10.00	**10.70**	**128 B**
Tilghamn's "SP," 2-8-10	Berlin	2.00	**2.15**	1.60	**1.43**	.40	**.72**	**.50**	8.00	**8.50**	10.00	**11.34**	**174 B**
Tilghman's "SP," 2-8-10	Salisbury	2.00	**2.26**	1.60	**1.67**	.40	**.59**	**.60**	8.00	**9.20**	10.00	**10.40**	**97 B**

†Mineral and Organic findings do not substantiate manufacturers declaration. ‡Not Licensed at time of Sale. *Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total FOUND	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral FOUND	NITROGEN (N) Organic Declared	NITROGEN (N) Organic FOUND	PHOSPHORIC ACID (P_2O_5) Insoluble FOUND	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available FOUND	POTASH (K_2O) Guaranteed	POTASH (K_2O) FOUND	Acidity A Basicity B FOUND
Wm. B. Tilghman Co., Inc., Salisbury, Md. (Cont'd.)													
‡Tilghman's Grain Mixture, 1-10-5	Salisbury	1.00	**1.15**	.80	**.81**	.20	**.34**	**.80**	10.00	**10.00**	5.00	**5.40**	**251** B
Tilghman's Superphosphate, 0-16-0	Salisbury	----	----	----	----	----	----	**1.20**	16.00	**15.00**	----	----	----
Tilghman's Superphosphate, 0-16-0	Salisbury	----	----	----	----	----	----	**.80**	16.00	**14.10**	----	----	----
Towson Nurseries, Inc., Towson, Md.													
Towson Lawn Food, 10-6-4	Towson	10.00	**10.64**	7.00	**7.32**	3.00	**3.32**	**.90**	6.00	**9.00**	4.00	**4.38**	**550** A
F. W. Tunnell and Co., Inc., Philadelphia, Pa.													
Premier Potato Manure, 4-8-7	Colora	4.00	**4.21**	3.00	**2.87**	1.00	**1.34**	**.70**	8.00	**8.30**	7.00	**7.76**	**15** A
Vegetable and Fruit Manure, 3-8-10	Colora	3.00	**3.00**	2.25	**2.22**	.75	**.78**	**.80**	8.00	**8.60**	10.00	**10.40**	**105** A
Corn and Cereal Manure, 2-9-5	Colora	2.00	**2.11**	1.00	**1.10**	1.00	**1.01**	**1.00**	9.00	**9.30**	5.00	**5.38**	**12** B
Potato and Truck Manure, 2-8-10	Colora	2.00	**2.49**	1.00	**1.22**	1.00	**1.27**	**.90**	8.00	**8.50**	10.00	**10.40**	**51** B
Potato and Truck Manure, 2-8-10	Millington	2.00	**2.01**	1.00	**1.05**	1.00	**.96**	**.60**	8.00	**9.10**	10.00	**10.24**	**26** B
Wheat and Cereal Manure, 1-10-5	Colora	1.00	**1.22**	.30	**.35**	.70	**.87**	**.90**	10.00	**10.40**	5.00	**5.35**	**126** B
‡Raw Ground Bone, 3.70-T.P.A.21.½-0	Colora	3.70	**3.85**	----	----	----	----	----	*21.50	***21.50**	----	----	----
‡7% Tankage, 7-0-0	Colora	7.00	**7.40**	----	----	----	----	----	----	----	----	----	----
Superphosphate, 0-16-0	Colora	----	----	----	----	----	----	**1.20**	16.00	**17.00**	----	----	----
Valliant Fertilizer Co., Laurel, Del.													
Jewel, 6-6-5	----	6.00	**5.97**	5.60	**5.28**	.40	**.69**	**.80**	6.00	**7.00**	5.00	**5.44**	**241** A
†Ideal, 5-8-12	----	5.00	**5.04**	4.50	**3.72**	.50	**1.32**	**.30**	8.00	**9.00**	12.00	**12.00**	**294** A
Winner, 4-8-10	----	4.00	**4.10**	3.60	**3.26**	.40	**.84**	**.20**	8.00	**8.60**	10.00	**10.62**	**27** A
Champion, 4-8-7	----	4.00	**4.00**	3.60	**3.27**	.40	**.73**	**.30**	8.00	**8.80**	7.00	**7.14**	**43** B
Arcadia, 4-8-5	----	4.00	**4.00**	3.60	**3.27**	.40	**.73**	**.40**	8.00	**8.60**	5.00	**5.67**	**31** B
E. S. Valliant and Son, Centreville, Md.													
Valliant's 6-6-5	Centreville	6.00	**6.04**	5.40	**5.32**	.60	**.72**	**.60**	6.00	**7.10**	5.00	**5.40**	**22** B
Valliant's 6-6-5	Centreville	6.00	**5.98**	5.40	**5.37**	.60	**.61**	**.40**	6.00	**6.40**	5.00	**6.04**	**91** B
Valliant's 4-8-7	Centreville	4.00	**4.07**	3.40	**3.31**	.60	**.76**	**.70**	8.00	**8.70**	7.00	**7.29**	**120** B
Valliant's 4-8-7	Centreville	4.00	**4.31**	3.40	**3.47**	.60	**.84**	**.60**	8.00	**8.80**	7.00	**7.22**	**44** B
Valliant's 4-8-7	Centreville	4.00	**4.16**	3.40	**3.34**	.60	**.82**	**.60**	8.00	**8.50**	7.00	**7.45**	**19** B
Valliant's 4-8-5	Centreville	4.00	**4.03**	3.45	**3.43**	.55	**.60**	**.60**	8.00	**8.90**	5.00	**5.59**	**94** B

Valliant's 4-8-5	Centreville	4.00	**4.03**	3.45	**3.43**	.55	**.60**	**.60**	8.00	**8.90**	5.00	**5.59**	**94 B**
Valliant's 4-8-5	Centreville	4.00	**4.00**	3.45	**3.30**	.55	**.70**	**.70**	8.00	**8.90**	5.00	**6.02**	**72 B**
Valliant's 4-8-5	Centreville	4.00	**4.24**	3.45	**3.59**	.55	**.65**	**.60**	8.00	**8.70**	5.00	**5.44**	**67 B**
Valliant's 3-8-10	Centreville	3.00	**3.31**	2.60	**2.77**	.40	**.54**	**.60**	8.00	**8.50**	10.00	**10.40**	**60 B**
Valliant's 3-8-10	Centreville	3.00	**3.30**	2.60	**2.77**	.40	**.53**	**.70**	8.00	**8.60**	10.00	**10.80**	**57 B**
Valliant's 2-9-5	Centreville	2.00	**2.19**	1.70	**1.80**	.30	**.39**	**.40**	9.00	**9.80**	5.00	**5.29**	**166 B**
‡Valliant's 2-9-5	Centreville	2.00	**2.27**	1.70	**1.68**	.30	**.59**	**.50**	9.00	**9.80**	5.00	**5.35**	**190 B**
Winner, 2-8-10	Centreville	2.00	**2.04**	1.60	**1.68**	.40	**.36**	**.60**	8.00	**8.40**	10.00	**10.64**	**85 B**
Winner, 2-8-10	Centreville	2.00	**2.02**	1.60	**1.59**	.40	**.43**	**.50**	8.00	**8.60**	10.00	**11.34**	**159 B**
Winner, 2-8-10	Centreville	2.00	**2.43**	1.60	**1.94**	.40	**.49**	**.50**	8.00	**8.30**	10.00	**10.24**	**234 B**
Animal Base Brand, 1-10-5	Centreville	1.00	**1.19**	.80	**1.07**	.20	**.12**	**.60**	10.00	**10.60**	5.00	**5.82**	**256 B**
Valliant's 0-10-10	Centreville	----	----	----	----	----	----	**.40**	10.00	**10.40**	10.00	**10.70**	----
Valliant's 0-10-10	Centreville	----	----	----	----	----	----	**.40**	10.00	**10.00**	10.00	**11.18**	----
Superphosphate	Centreville	----	----	----	----	----	----	**.50**	16.00	**17.10**	----	----	----
W. H. Valliant and Bro., Bellevue, Md.													
†Fish Special, 2-8-6	Bellevue	2.00	**1.61**	.50	**.74**	1.50	**.87**	**.80**	8.00	**8.30**	6.00	**6.03**	**35 B**
Virginia-Carolina Chemical Corp., Baltimore, Md.													
V-C 6% Truck Fertilizer, 6-6-5	Baltimore	6.00	**5.82**	3.60	**3.72**	2.40	**2.11**	**.50**	6.00	**6.10**	5.00	**5.00**	**155 A**
V-C 6% Truck Fertilizer, 6-6-5	Baltimore	6.00	**5.69**	3.60	**3.33**	2.40	**2.36**	**.70**	6.00	**7.10**	5.00	**5.12**	**12 B**
V-C 6% Truck Fertilizer, 6-6-5	Sykesville	6.00	**5.82**	----	----	----	----	**.60**	6.00	**6.20**	5.00	**5.00**	----
V-C 6% Truck Fertilizer, 6-6-5	Baltimore	6.00	**5.76**	3.60	**3.45**	2.40	**2.31**	**.80**	6.00	**7.70**	5.00	**5.28**	**14 A**
V-C 6% Truck Fertilizer, 6-6-5	Baltimore	6.00	**6.00**	3.60	**3.31**	2.40	**2.69**	**.70**	6.00	**6.30**	5.00	**5.59**	**49 A**
V-C National Brand, 4-8-10	Baltimore	4.00	**4.13**	3.00	**3.15**	1.00	**.98**	**.20**	8.00	**8.60**	10.00	**10.00**	**48 A**
V-C National Brand, 4-8-10	Baltimore	4.00	**4.04**	3.00	**2.83**	1.00	**1.21**	**.20**	8.00	**8.50**	10.00	**10.40**	**35 A**
V-C. Great Truck and Vegetable Compound, 4-8-5	Baltimore	4.00	**4.00**	3.00	**2.80**	1.00	**1.20**	**.30**	8.00	**8.50**	5.00	**5.04**	**23 B**
V-C Sweet Potato Special, 3-8-10	Salisbury	3.00	**3.13**	2.25	**2.27**	.75	**.86**	**.20**	8.00	**8.40**	10.00	**10.86**	**47 B**
V-C Sweet Potato Special, 3-8-10	Baltimore	3.00	**3.03**	2.25	**2.07**	.75	**.96**	**.20**	8.00	**8.70**	10.00	**10.00**	**51 B**
V-C Sweet Potato Special, 3-8-10	Baltimore	3.00	**3.10**	2.25	**2.17**	.75	**.93**	**.20**	8.00	**8.20**	10.00	**9.62**	**22 A**
2-12-4	Sykesville	2.00	**2.01**	----	----	----	----	**.60**	12.00	**12.40**	4.00	**4.42**	----
V-C Fish and Potash Compound, 2-9-5	Laurel	2.00	**2.02**	1.50	**1.54**	.50	**.48**	**.60**	9.00	**9.40**	5.00	**5.12**	**46 B**
V-C Fish and Potash Compound, 2-9-5	Baltimore	2.00	**2.02**	1.50	**1.52**	.50	**.50**	**.40**	9.00	**10.10**	5.00	**5.26**	**72 B**
V-C- Special for Potatoes and Vegetables, 2-8-10	Baltimore	2.00	**2.04**	1.50	**1.43**	.50	**.61**	**.30**	8.00	**8.30**	10.00	**10.30**	**74 B**
‡Sulphate of Ammonia, 20.50-0-0	Baltimore	20.50	**20.56**	----	----	----	----	----	----	----	----	----	----
‡Sheep Manure, 2-T.P.A.1-1	Baltimore	1.00	**1.97**	----	----	----	----	----	*1.00	***1.40**	1.00	**2.03**	----
‡V-C Superphosphate, 0-20-0	Baltimore	----	----	----	----	----	----	**.40**	20.00	**20.80**	----	----	----
‡V-C Phosphate and Lime Mixture, 0-16-0	Baltimore	----	----	----	----	----	----	**.90**	16.00	**16.50**	----	----	----
‡Muriate of Potash, 0-0-48	Baltimore	----	----	----	----	----	----	----	----	----	48.00	**50.10**	----
High Grade Kainit, 0-0-20	Baltimore	----	----	----	----	----	----	----	----	----	20.00	**20.00**	----

‡Not Licensed at time of Sale. †Mineral and Organic findings do not substantiate manufacturers declaration. *Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N) Total Guaranteed	NITROGEN (N) Total FOUND	NITROGEN (N) Mineral Declared	NITROGEN (N) Mineral FOUND	NITROGEN (N) Organic Declared	NITROGEN (N) Organic FOUND	PHOSPHORIC ACID (P_2O_5) Insoluble FOUND	PHOSPHORIC ACID (P_2O_5) Available Guaranteed	PHOSPHORIC ACID (P_2O_5) Available FOUND	POTASH (K_2O) Guaranteed	POTASH (K_2O) FOUND	Acidity A Basicity B FOUND
Vita-Vim Co., Baltimore, Md.													
Vit-Vim, 6-10-4	Baltimore	6.00	**6.19**	3.50	**3.17**	2.50	**3.02**	**.70**	10.00	**9.70**	4.00	**5.04**	**16 A**
Walker-Gordon Laboratory Co., Inc., Plainsboro, N. J.													
Bovung, 2-T.P.A.2-2	Baltimore	2.00	**2.13**	0.00	**.14**	2.00	**1.99**	----	*2.00	***1.80**	2.00	**2.24**	----
Westminster Fertilizer Co., Westminster, Md.													
4-8-7	Westminster	4.00	**4.17**	3.25	**3.47**	.75	**.70**	**.50**	8.00	**9.30**	7.00	**7.60**	**178 A**
4-8-7	Westminster	4.00	**4.00**	3.25	**2.94**	.75	**1.06**	**.30**	8.00	**9.20**	7.00	**7.53**	**157 A**
†2-9-5	Westminster	2.00	**2.29**	1.40	**1.99**	.60	**.30**	**.40**	9.00	**10.00**	5.00	**5.82**	**22 B**
2-9-5	Westminster	2.00	**2.27**	1.40	**1.83**	.60	**.44**	**.20**	9.00	**9.00**	5.00	**6.36**	**28 B**
Leader 1-10-5	Westminster	1.00	**1.32**	.50	**.84**	.50	**.48**	**.50**	10.00	**10.40**	5.00	**5.35**	**124 B**
Superphosphate, 0-16-0	Westminster	----	----	----	----	----	----	**.20**	16.00	**20.60**	----	----	----
A. S. Woolley Co., Inc., Seaford, Del.													
Woolley's Pride Fertilizer, 4-8-5	----	4.00	**4.14**	3.20	**3.21**	.80	**.93**	**.20**	8.00	**9.40**	5.00	**5.40**	**79 A**
Woolley's Pride Fertilizer, 4-8-5	Federalsburg	4.00	**4.24**	3.20	**3.04**	.80	**1.20**	**.20**	8.00	**9.10**	5.00	**5.00**	**78 B**
Woolley's Better Crop Fertilizer, 3-8-10	----	3.00	**3.05**	2.40	**2.39**	.60	**.66**	**.40**	8.00	**9.20**	10.00	**10.04**	**75 A**
Woolley's Truck Fertilizer, 3-8-8	----	3.00	**3.40**	2.40	**2.23**	.60	**1.17**	**.40**	8.00	**9.00**	8.00	**9.32**	**77 A**
Woolley's Truck Fertilizer, 3-8-8	Federalsburg	3.00	**3.00**	2.40	**2.35**	.60	**.65**	**.30**	8.00	**9.30**	8.00	**8.00**	**21 A**
Woolley's Success Fertilizer, 2-9-5	----	2.00	**2.61**	1.60	**1.90**	.40	**.71**	**.40**	9.00	**10.10**	5.00	**6.36**	**37 A**
5% Potash Mixture, 0-12-5	----	----	----	----	----	----	----	**.20**	12.00	**12.80**	5.00	**5.90**	----
Worcester Fertilizer Co., Snow Hill, Md.													
Worcester's Correct Plant Food Mixture, 6-6-5	Snow Hill	6.00	**6.04**	4.20	**4.27**	1.80	**1.77**	**.70**	6.00	**6.20**	5.00	**5.70**	**111 A**
Worcester's Correct Plant Food Mixture, 6-6-5	Princess Anne	6.00	**6.01**	4.20	**4.18**	1.80	**1.83**	**.70**	6.00	**6.40**	5.00	**5.43**	**210 A**
Worcester's Correct Plant Food Mixture, 6-6-5	Hebron	6.00	**6.01**	4.20	**4.10**	1.80	**1.91**	**.40**	6.00	**6.50**	5.00	**5.00**	**51 A**
Worcester's Correct Plant Food Mixture, 6-6-5	Snow Hill	6.00	**6.01**	4.20	**3.90**	1.80	**2.11**	**.50**	6.00	**6.20**	5.00	**5.90**	**124 A**
Worcester's Correct Plant Food Mixture Gilt Edge, 6-6-5	Snow Hill	6.00	**6.09**	3.60	**3.30**	2.40	**2.79**	**.60**	6.00	**5.80**	5.00	**5.59**	**69 A**
†Worcester's Correct Plant Food Mixture, 4-8-10	Snow Hill	4.00	**3.97**	2.80	**1.79**	1.20	**2.18**	**.90**	8.00	**8.90**	10.00	**10.00**	**38 B**
Worcester's Correct Plant Food Mixture, 4-8-10	Snow Hill	4.00	**4.11**	2.80	**2.98**	1.20	**1.13**	**.70**	8.00	**7.80**	10.00	**10.40**	**162 A**
‡Worcester's Correct Plant Food Mixture, 4-8-10	Princess Anne	4.00	**4.24**	2.80	**3.00**	1.20	**1.24**	**.50**	8.00	**8.00**	10.00	**11.34**	**150 A**
Worcester's Correct Plant Food Mixture Gilt Edge													

Worcester's Correct Plant Food Mixture, 4-8-10	Snow Hill	4.00	**4.11**	2.80	**2.98**	1.20	**1.13**	**.70**	8.00	**7.80**	10.00	**10.40**	**162** A
‡Worcester's Correct Plant Food Mixture, 4-8-10	Princess Anne	4.00	**4.24**	2.80	**3.00**	1.20	**1.24**	**.50**	8.00	**8.00**	10.00	**11.34**	**150** A
Worcester's Correct Plant Food Mixture Gilt Edge, 4-8-7	Snow Hill	4.00	**3.83**	2.00	**1.86**	2.00	**1.97**	**.70**	8.00	**8.80**	7.00	**7.34**	**12** A
Worcester's Correct Plant Food Mixture, 4-8-7	Snow Hill	4.00	**4.13**	2.80	**2.88**	1.20	**1.25**	**.90**	8.00	**8.10**	7.00	**7.00**	**97** A
Worcester's Correct Plant Food Mixture, 4-8-7	Princess Anne	4.00	**3.99**	2.80	**2.74**	1.20	**1.25**	**.50**	8.00	**8.00**	7.00	**7.45**	**71** A
Worcester's Correct Plant Food Mixture, 4-8-5	Hebron	4.00	**4.18**	2.80	**2.88**	1.20	**1.30**	**.60**	8.00	**8.10**	5.00	**5.28**	**111** A
Worcester's Correct Plant Food Mixture, 4-8-5	Princess Anne	4.00	**4.10**	2.80	**2.99**	1.20	**1.11**	**.40**	8.00	**8.70**	5.00	**5.12**	**112** A
Worcester's Correct Plant Food Mixture, 4-8-5	Snow Hill	4.00	**4.00**	2.80	**2.70**	1.20	**1.30**	**.60**	8.00	**8.10**	5.00	**5.76**	**95** A
Worcester's Correct Plant Food Mixture, 4-8-5	Snow Hill	4.00	**4.03**	2.80	**2.91**	1.20	**1.12**	**.30**	8.00	**8.40**	5.00	**5.44**	**158** A
Worcester's Correct Plant Food Mixture, 3-8-10	Princess Anne	3.00	**3.00**	2.10	**2.25**	.90	**.75**	**1.60**	8.00	**8.30**	10.00	**10.70**	**23** B
Worcester's Correct Plant Food Mixture, 3-8-10	Snow Hill	3.00	**3.06**	2.10	**2.25**	.90	**.81**	**1.60**	8.00	**7.70**	10.00	**10.00**	**71** B
Worcester's Correct Plant Food Mixture, 2-9-5	Snow Hill	2.00	**2.05**	1.60	**1.74**	.40	**.31**	**1.30**	9.00	**8.70**	5.00	**5.28**	**35** B
Worcester's Correct Plant Food Mixture, 2-8-10	Snow Hill	2.00	**1.99**	1.40	**1.54**	.60	**.45**	**1.20**	8.00	**7.80**	10.00	**10.52**	**50** B
Worcester's Correct Plant Food Mixture, 2-8-10	Princess Anne	2.00	**1.99**	1.40	**1.43**	.60	**.56**	**1.30**	8.00	**7.50**	10.00	**10.56**	**47** B
Worcester's Correct Plant Food Mixture, 1-10-5	Snow Hill	1.00	**1.24**	.80	**1.04**	.20	**.20**	**1.60**	10.00	**9.70**	5.00	**5.51**	**126** B
‡Worcester's Kainit, 0-0-20	Snow Hill	----	----	----	----	----	----	----	----	----	20.00	**20.00**	----
‡Worcester's Kainit, 0-0-14	Snow Hill	----	----	----	----	----	----	----	----	----	14.00	**14.00**	----
Superphosphate, 0-16-0	Snow Hill	----	----	----	----	----	----	**2.20**	16.00	**14.10**	----	----	----

†Mineral and Organic findings do not substantiate manufacturers declaration. ‡Not Licensed at time of Sale. *Total Phosphoric Acid.

DEFINITIONS OF FEEDINGSTUFFS

The following definitions for feedingstuffs have been adopted by the Association of American Feed Control Officials, Inc., at various times, and include the definitions adopted at the meeting of the Association held November 14 and 15, 1935, at Washington, D. C.

ALFALFA PRODUCTS

1. **Chopped Alfalfa** is the entire alfalfa hay, chopped and not ground finely enough to become a meal. It must not contain an admixture of alfalfa straw or other foreign material. (Adopted prior to 1928).

2. **Alfalfa Meal** is the product obtained from the grinding of the entire alfalfa hay, without the addition of any alfalfa stems, alfalfa straw or foreign material, or the abstraction of leaves. It must be reasonably free from other crop plants and weeds, and must not contain more than 33 per cent of crude fibre. (Adopted 1928).

3. **Alfalfa Leaf Meal** is the ground product consisting chiefly of leafy materials separated from alfalfa hay. It must be reasonably free from other crop plants and weeds, and must not contain more than 18 per cent of crude fibre. (Adopted 1928).

4. **Alfalfa Stem Meal** is the ground product remaining after the separation of the leafy material from alfalfa hay or meal. It must be reasonably free from other crop plants and weeds. (Adopted 1928).

ANIMAL PRODUCTS

5. **Blood Meal** is ground, dried blood. (Adopted 1926).

6. **Blood Flour** is dried blood, prepared by special processes and reduced to a fine powder. (Adopted prior to 1928).

7. **Digester Tankage, Meat Meal Tankage or Feeding Tankage** is the residue from animal tissues exclusive of hoof, horn, manure and stomach contents, except in such traces as might occur unavoidably in good factory practice, especially prepared for feeding purposes by tanking under live steam or by dry rendering or a mixture of the products made suitable by drying and grinding. It must not contain more than 10 per cent of phosphoric acid (expressed as P_2O_5). If it bears a name descriptive of its kind, composition or origin, the material must correspond thereto. (Adopted 1928—Amended 1933).

8. **Digester Tankage with Bone, Meat and Bone Meal Digester Tankage, Meat and Bone Meal Tankage, or Feeding Tankage with Bone** is the residue from animal tissues exclusive of hoof, horn, manure and stomach contents, except in such traces as might occur unavoidably in good factory practice, especially prepared for feeding purposes by tanking under live steam or by dry rendering or a mixture of the products made suitable by drying and grinding, and containing more than 10 per cent of phosphoric acid (expressed as P_2O_5). If it bears a name descriptive of its kind, composition or origin, it must correspond thereto. (Adopted 1928—Amended 1933).

9. **Meat Scraps** is the ground dry-rendered residue from animal tissues exclusive of hoof, horn, manure and stomach contents, except in such traces as might occur unavoidably in good factory practice. When this product contains more than 10 per cent of phosphoric acid (expressed as P_2O_5), it shall be designated Meat and Bone Scrap. If it bears a name

descriptive of its kind, composition or origin it must correspond thereto. (Adopted 1928).

10. **Raw Bone Meal** is the dried, ground product, suitable for animal feeding, obtained by cooking in water at atmospheric pressure, undecomposed bone, just enough to remove excess fat and meat. It must not contain less than 23 per cent of protein. (Adopted 1929).

11. **Steamed Bone Meal** is the dried, ground product suitable for animal feeding, obtained by cooking bones with steam under pressure. (Adopted 1929).

12. **Special Steamed Bone Meal** is the dried, ground product suitable for animal feeding, obtained by cooking dried bone after the removal of grease and meat fibre with steam under pressure in the process of obtaining gelatine or glue. (Adopted 1929).

APPLE PRODUCTS

13. **Dried Apple Pomace** is the sound, dried residue obtained by the removal of cider from apples. (Adopted 1929).

14. **Dried Apple Pectin Pulp** is the sound, dried residue obtained by the removal of pectin from apple products. (Adopted 1929).

BARLEY PRODUCTS

15. **Barley Hulls** is the product consisting of the outer coverings of the barley. (Adopted prior to 1928).

16. **Barley Feed** is the entire by-product resulting from the manufacture of pearl barley from clean barley. (Adopted prior to 1928).

17. **Barley Mixed Feed** is the entire offal from the milling of barley flour from clean barley and is composed of barley hulls and barley middlings. (Adopted prior to 1928).

18. **Ground Barley** is the entire product obtained by grinding clean sound barley, containing not less than 90 per cent of pure barley and not more than 10 per cent of other grains, weed seeds and other foreign material and not more than 6 per cent of crude fibre; provided that no portion of this stated 10 per cent of other grains, weed seeds or other foreign material shall be intentionally added. (Adopted prior to 1928).

19. **Mixed Feed Barley** is the entire product obtained by grinding country run barley containing not less than 75 per cent of pure barley and not more than 25 per cent of other grains, weed seeds and other foreign material; provided that no portion of this stated 25 per cent of other grains, weed seeds or foreign material shall be intentionally added. The ingredients must be stated as barley, other grains, weed seeds and foreign material. (Adopted prior to 1928).

BEET PRODUCTS

20. **Dried Beet Pulp** is the dried residue from sugar beets which have been cleaned and freed from crowns, leaves and sand, and from which the sugar has been extracted. (Adopted prior to 1928).

BREWERS' AND DISTILLERS' PRODUCTS

21. **Brewers' Dried Grains** is the dried residue obtained in the manufacture of beer. (Adopted prior to 1928).

22. **Distillers' Corn Dried Grains or Distillers' Rye Dried Grains** is the dried residue obtained in the manufacture of alcohol and distilled

liquors. The product must bear the designation indicating the cereal predominating. (Adopted prior to 1928).

23. **Distillers' Corn Solubles** is a by-product from the manufacture of alcohol from corn solids obtained by the evaporation of the mash liquor after the removal of the alcohol and wet grains. (Adopted prior to 1928).

24. **Distillers' Rye Solubles** is a by-product from the manufacture of alcohol from rye solids obtained by the evaporation of mash liquor after the removal of the alcohol and wet grains. (Adopted prior to 1928).

25. **Distillers' Corn and Rye Solubles** is a by-product from the manufacture of alcohol from corn and rye solids obtained by the evaporation of mash liquor after the removal of the alcohol and wet grains. (Adopted prior to 1928).

26. **Malt Sprouts** are the sprouts of the barley grain obtained from malted barley. Sprouts derived from any other malted cereal must be designated by the name of that cereal. (Adopted prior to 1928).

27. **Yeast Dried Grains or Vinegar Dried Grains** is the properly dried residue from the mixture of cereals, malt and malt sprouts (sometimes cottonseed meal) obtained in the manufacture of yeast or vinegar, and consists of corn or corn and rye from which most of the starch has been extracted, together with malt added during the manufacturing process to change the starch to sugars, and malt sprouts (sometimes cottonseed meal) added during the manufacturing process to aid in filtering the residue from the wort and to serve as a source of food supply for the yeast. (Adopted prior to 1928).

BUCKWHEAT PRODUCTS

28. **Buckwheat Shorts or Buckwheat Middlings** are the portion of the buckwheat grain immediately inside the hull secured after separation from the flour. (Adopted prior to 1928).

CHOP

29. **Chop** is a ground or chopped feed composed of one or more different cereals or by-products thereof. If it bears a name descriptive of the kind of cereals, it must be made exclusively of the entire grains of those cereals. (Adopted prior to 1928).

COCOANUT PRODUCTS

30. **.....Per Cent Protein Cocoanut Oil Meal or.....Per Cent Protein Copra Oil Meal** is the ground residue from the extraction of part of the oil from the dried meat of the cocoanut. (Adopted prior to 1928).

CORN PRODUCTS

31. **Corn Meal** is finely ground, unbolted corn. (Adopted prior to 1928).

32. **Corn Bran** is the outer coating of the corn kernel, with little or none of the starchy part or germ. (Adopted 1931).

33. **Corn Feed Meal** is the fine siftings obtained in the manufacture of screened corn chop, screened ground corn or screened cracked corn, with or without its aspiration products added. (Adopted 1931).

34. **Corn Chop, Ground Corn or Cracked Corn** is the entire product made by grinding, cutting or chopping the grains of sound Indian corn, and may be fine, medium or coarse, and must not contain more than four per cent of foreign material. (Adopted 1931).

35. **Screened Corn Chop, Screened Ground Corn, or Screened Cracked Corn** is the course portion of corn chop, ground corn or cracked corn from which most of the fine particles have been removed, and must not contain more than 4 per cent of foreign material. (Adopted 1931).

36. **Corn Grits or Hominy Grits** is the product consisting of the fine or medium sized, hard flinty portions of sound Indian corn containing little or none of the bran or germ. (Adopted 1931).

37. **Ear Corn Chops** is corn and cob chopped, without the husk, with no greater proportion of cob than occurs in the ear corn in its natural state. (Adopted prior to 1928).

38. **Corn Gluten Meal** is that part of commercial shelled corn that remains after the separation of the larger part of the starch, the germ and the bran, by the processes employed in the manufacture of corn starch. It may or may not contain corn solubles. (Adopted prior to 1928).

39. **Corn Gluten Feed** is that part of commercial shelled corn that remains after the separation of the larger part of the starch and the germs by the processes employed in the manufacture of corn starch. It may or may not contain corn solubles. (Adopted prior to 1928).

40. **Maltose Process Corn Gluten Feed** is the dried residue from degermed corn, after removal of the starch in the manufacture of malt syrup. (Adopted prior to 1928).

41. **Hominy Feed** is a mixture of corn bran, corn germ and a part of the starchy portion of either white or yellow corn kernels or mixture thereof as produced in the manufacture of pearl hominy, hominy grits or table meal, and shall contain not less than 5 per cent of crude fat. If prefixed with the words "white" or "yellow," the product must correspond thereto. (Adopted 1935).

42. **Corn Oil Cake** consists of the corn germ from which part of the oil has been pressed and is the product obtained in the wet milling process of manufacture of corn starch, corn syrup, and other corn products. (Adopted prior to 1928).

43. **Corn Oil Meal** is ground corn oil cake. (Adopted prior to 1928).

44. **Corn Germ Cake** consists of corn germ with other parts of the corn kernel from which part of the oil has been pressed, and is the product obtained in the dry milling process of manufacture of corn meal, corn grits, hominy feed, and other corn products. (Adopted prior to 1928).

45. **Corn Germ Meal** is ground corn germ cake. (Adopted prior to 1928).

46. **Corn Screenings** is the product consisting of the small light grains of corn, parts of grains of corn and/or other cereals, and other materials having feeding value, obtained by screening shelled corn, excluding sand, dirt and other similar inert materials. (Adopted 1931).

COTTONSEED PRODUCTS

47. **Cottonseed Meal** is a product of the cottonseed only, composed principally of the kernel with such portion of the hull as is necessary in the manufacture of oil; provided that nothing shall be recognized as cottonseed meal that does not conform to the foregoing definition and that does not contain at least 36 per cent of protein. Cottonseed meal shall be graded and classified as follows: (Adopted prior to 1928).

48. ..... **Per Cent Protein Cottoneed Meal, Prime Quality.** Cottonseed meal, prime quality, must be finely ground, not necessarily bolted, of sweet odor, reasonably bright in color, yellowish, not brown or red-

dish, free from excessive lint, and shall contain not less than 36 per cent of protein. It must be designated and sold according to its protein content. Cottonseed meal with 36 per cent of protein must be termed "36 per cent Protein Cottonseed Meal, Prime Quality," and higher grades similarly designated (as "43 per cent Protein Cottonseed Meal, Prime Quality"), etc. (Adopted prior to 1928).

49. ..... **Per Cent Protein Cottonseed Meal, Off Quality.** Cottonseed meal not fulfilling the above requirement as to color, odor and texture must be graded "36 per cent Protein Cottonseed Meal, Off Quality," and higher grades similarly designated. (Adopted prior to 1928).

50. **Cottonseed Feed** is a mixture of cottonseed meal and cottonseed hulls, containing less than 36 per cent of protein. (Adopted prior to 1928).

51. ..... **Per Cent Protein Whole Pressed Cottonseed, Prime Quality** is the product resulting from subjecting the whole, sound, mature, clean undecorticated cottonseed to pressure for the extraction of oil, and includes the entire cottonseed less the oil extracted and the lint removed. It must be designated and sold according to its protein content. (Adopted 1932).

52. ..... **Per Cent Protein Ground Whole Pressed Cottonseed, Prime Quality** is whole pressed cottonseed, ground. It must be designated and sold according to its protein content. (Adopted 1932).

GARBAGE

53. **Processed Garbage** is composed of dried animal and vegetable waste from garbage collected sufficiently often that harmful decomposition has not set in, and separated from material such as crockery and glass. Its odor must not be suggestive of the presence of decomposition and it must contain less than one per cent of glass. None of it shall contain knife-like or needle-like particles, and the maximum percentage of glass should be stated on the label when present in excess of one-fifth of one per cent. (Adopted prior to 1928).

IVORY NUT PRODUCTS

54. **Ivory Nut Meal** is the ground waste material resulting from the manufacture of buttons and similar articles from the vegetable ivory nut. (Adopted prior to 1928).

LINSEED AND FLAX PRODUCTS

55. ..... **Per Cent Protein Linseed Cake or Linseed Meal** is the product obtained in the removal of the oil from flaxseed; provided that the final product contains less than 6 per cent of weed seeds and other foreign materials; and provided, further, that no portion of the stated 6 per cent of weed seeds and other foreign materials shall be deliberately added. It shall not contain more than 0.5 per cent of acid insoluble ash. (Adopted 1933).

56 ..... **Per cent Protein Old Process Oil Meal or** ..... **Per Cent Protein Old Process Linseed Meal** is oil meal as defined below, produced by crushing, cooking and hydraulic pressure. (Adopted prior to 1928).

57. ..... **Per Cent Protein New Process Oil Meal or** ..... **Per Cent Protein New Process Linseed Meal** is oil meal as defined below, produced by crushing, heating and the use of solvents. (Adopted prior to 1928).

58. **Flax Plant By-Products** is that portion of the flax plant remaining after the separation of the seed, the bast fibre and a portion of the shives, and consists of flax shives, flax pods, broken and immature flax seeds, and the cortical tissues of the stem. (Adopted prior to 1928).

59. **Ground Flaxseed or Flaxseed Meal** is the product obtained by grinding flaxseed which has been screened and cleaned of weed seeds and other foreign materials by the most improved commercial process; the final product must contain less than 4 per cent of weed seeds and other foreign materials, and no portion of the stated 4 per cent of weed seeds and other foreign materials shall be intentionally added. (Adopted prior to 1928).

60. **Unscreened Flaxseed Oil Feed Cake** is the product obtained by extraction of part of the oil from unscreened flaxseed by crushing, cooking and hydraulic pressure, or by crushing, heating and the use of solvents. The ingredients must be stated as "partially extracted flaxseed and foreign seeds (wheat, wild buckwheat, pigeon grass, wild mustard, etc.)." (Adopted prior to 1928).

61. **Ground Unscreened Flaxseed Oil Feed** is the ground unscreened flaxseed oil feed cake. (Adopted prior to 1928).

62. **Screenings Oil Feed** is the ground product obtained after extraction of part of the oil by crushing, cooking and hydraulic pressure, or by crushing, heating and the use of solvents from the smaller imperfect flaxseed, weed seeds and other foreign materials having feeding value, separated in cleaning flaxseed. The name of the grain from which the screenings are separated must be prefixed to "screenings oil feed." (Adopted prior to 1928).

63. ..... **Per Cent Protein Oil Cake** is the product obtained after the extraction of part of the oil by crushing, cooking and hydraulic prescure, or by crushing, heating and the use of solvents, from flaxseed which has been screened and cleaned of weedseeds and other foreign materials by the most improved commercial process. When used alone the term "Oil Cake" shall be understood to designate linseed cake as defined. When used to cover any other product the name of the seed from which it is obtained must be prefixed to the words "Oil Cake." (Adopted prior to 1928).

64. ..... **Per Cent Protein Oil Meal or** ..... **Per Cent Protein Ground Oil Cake** is oil cake ground to a meal. (Adopted prior to 1928).

MARINE PRODUCTS

65. **Fish Meal** is clean, dried, ground tissues of undecomposed whole fish and/or fish cuttings with or without the extraction of part of the oil, and contains not more than 3 per cent of salt (NaCl). If it contains more than 3 per cent of salt (NaCl) the amount of salt must constitute a part of the brand name, provided that in no case shall the salt content of this product exceed 7 per cent. (Adopted 1933).

66. **Fish Residue Meal** is the clean, dried, undecomposed residue from the manufacture of glue from non-oily fish, and contains not more than 3 per cent of salt (NaCl). If it contains more than 3 per cent of salt (NaCl) the amount of salt must constitute a part of the brand name, provided that in no case shall the salt content of this product exceed 7 per cent. (Adopted 1933).

67. **Crab Meal** is prepared from the undecomposed dried waste of the crab industry and contains the shell, viscera and part or all of the flesh. It contains not less than 25 per cent of protein and not more than 3 per cent of salt (NaCl). If it contains more than 3 per cent of salt (NaCl) the amount of salt must constitute a part of the brand name, provided that in no case shall the salt content of this product exceed 7 per cent. (Adopted 1933).

68. **Shrimp Meal** is prepared from the undecomposed dried waste of the shrimp industry and contains the head, hull and/or the whole shrimp and not more than 3 per cent of salt (NaCl). If it contains more than

3 per cent of salt (NaCl) the amount of salt must constitute a part of the brand name, provided that in no case shall the salt content of this product exceed 7 per cent. (Adopted 1933).

69. **Whale Meal** is prepared from the clean, dried, undecomposed flesh of the whale, after part of the oil has been extracted. It contains not more than 3 per cent of salt (NaCl). If it contains more than 3 per cent of salt (NaCl) the amount of salt must constitute a part of the brand name, provided that in no case shall the salt content of this product exceed 7 per cent. (Adopted 1933).

70. **Cod Liver Oil** is the product obtained by extraction of part of the oil from cod livers. (Adopted 1932).

71. **Sardine Oil or Pilchard Oil** is the product obtained by extraction of part of the oil from the whole Pacific sardine or pilchard or from cannery refuse of this species of fish. (Adopted 1932).

72. **Salmon Oil** is the product obtained by extraction of part of the oil from the cannery refuse of salmon. (Adopted 1932).

73. **Tuna Oil** is the product obtained by extraction of part of the oil from the cannery refuse of tuna. (Adopted 1932).

74. **Menhaden Oil** is the product obtained by extraction of part of the oil from whole menhaden. (Adopted 1932).

75. **Herring Oil** is the product obtained by extraction of part of the oil from the whole herring or part of the herring. (Adopted 1933).

76. **Salmon Liver Oil** is the product obtained by extraction of part of the oil from salmon livers. (Adopted 1933).

77. **Stearine** is the solid material obtained by filtration from an animal or vegetable oil after chilling or freezing in the process of refining. When this product is sold as a feed, the term shall be prefixed by the name of the oil from which it is obtained. (Adopted 1934).

MILK PRODUCTS

78. **Dried Buttermilk** is the product resulting from the removal of water from clean, sound buttermilk derived from natural cream to which no foreign substances have been added, excepting such as are necessary and permitted in the manufacture of butter. It contains not more than 8 per cent of moisture, not more than 13 per cent of mineral matter (ash), and not less than 5 per cent of butterfat, as determined by the Roese-Gottlieb method. (Adopted 1932).

79. **Evaporated Buttermilk, Concentrated Buttermilk or Condensed Buttermilk** is the product resulting from the removal of a considerable portion of water from clean, sound buttermilk derived from natural cream to which no foreign substances have been added excepting such as are permitted and necessary in the manufacture of butter. It contains not less than 27 per cent of total solids, not less than 2 per cent of butterfat, and not more than .14 per cent of ash for each per cent of solids. This definition does not prohibit the use of a distinctive trade name, provided it is followed by one of the names given. (Adopted prior to 1928).

80. **Dried Skimmed Milk** is the product resulting from the removal of water from clean, sound skimmed milk. It contains not more than 8 per cent of moisture. (Adopted 1930).

81. **Dried Soured Skimmed Milk** is the product resulting from the removal of water from clean, sound skimmed milk which has been soured by a suitable culture of lactic bacteria. It contains not more than 8 per cent of moisture. (Adopted 1932).

82. **Evaporated Soured Skimmed Milk, Concentrated Soured Skimmed Milk or Condensed Soured Skimmed Milk** is the product resulting from the removal of a considerable portion of water from clean, sound skimmed milk which has been soured by a suitable culture of lactic bacteria. It contains not less than 27 per cent of total solids. (Adopted 1932).

83. **Condensed Skimmed Milk** is the product resulting from the removal of a considerable portion of water from clean, sound skimmed milk. It contains not less than 27 per cent of total solids. (Adopted 1930).

84. **Milk Sugar Feed or Dried Whey** is the by-product from the manufacture of cheese and should contain at least 70 per cent of lactose (milk sugar). (Adopted 1932).

85. **Dried Whey** is the by-product from the manufacture of cheese and/or casein. This product shall contain at least 65 per cent of lactose (milk sugar). (Adopted 1934).

86. **Cheese Rind** is cooked, partially defatted cheese rind. (Adopted 1935).

MINERAL FEEDS

87. Mixed feeds containing both feed and more than 5 per cent of mineral ingredients require, in addition to the usual declaration of the chemical feed analysis, a declaration of each ingredient contained therein and the minimum percentages of lime expressed as CaO, phosphoric acid expressed as P_2O_5, iodine (I), and the maximum percentage of salt (NaCl) if same be present. If minerals predominate in the mixture, the usual declaration of the chemical feed analysis, with the exception of protein, may be omitted.

In mineral feeds containing no organic ingredient, the usual chemical feed guarantee need not be made. A declaration should be made of each ingredient contained therein and the minimum percentage of lime expressed as CaO, phosphoric acid expressed as P_2O_5, iodine (I), and the maximum percentage of salt (NaCl) if same be present.

The mineral ingredients should be stated in the common English terms, if any such terms exist.

It being impossible to classify separately the drug ingredients and the mineral ingredients, be it resolved:

(a) That all mixtures containing mineral ingredients generally regarded as dietary factors essential for the normal nutrition of animals and which are sold or represented for the primary purpose of supplying these minerals as additions to rations in which these same mineral factors may be deficient, be classified as mineral feeds.

(b) That all other preparations which are sold or represented primarily for the cure, mitigation or prevention of disease be classified by this Association as drugs, medicines or specifics. (Adopted prior to 1928).

MINERAL FEEDS

(NOTE)—This change is to become effective not later than January 1, 1937.

88. Mixed feeds containing both feed and more than 5 per cent of mineral ingredients require, in addition to the usual declaration of the chemical feed analysis, a declaration of each ingredient contained therein and the minimum percentages of calcium (Ca), phosphorus (P), iodine (I), and the maximum percentage of salt (NaCl) if same be present. If minerals predominate in the mixture, the usual declaration of the chemical feed analysis, with the exception of protein, may be omitted.

In mineral feeds for which no nutritional properties other than those of a mineral nature are claimed, the usual chemical guarantees need not be declared. A declaration should be made of each ingredient contained therein and the minimum percentage of calcium (Ca), phosphorus (P), iodine (I), and the maximum percentage of salt (NaCl) if same be present.

The mineral ingredients should be stated in the common English terms, if any such terms exist.

It being impossible to classify separately the drug ingredients and the mineral ingredients, be it resolved:

(a) That all mixtures containing mineral ingredients generally regarded as dietary factors essential for the normal nutrition of animals and which are sold or represented for the primary purpose of supplying these minerals as additions to rations in which these same mineral factors may be deficient, be classified as mineral feeds.

(b) That all other preparations which are sold or represented primarily for the cure, mitigation or prevention of disease be classified by this Association as drugs, medicines or specifics. (Adopted 1935).

OAT PRODUCTS

89. **Oat Hulls** is the product consisting of the outer covering of the oat. (Adopted prior to 1928).

90. **Oat Middlings** is the product consisting of the floury portions of the oat groat obtained in the milling of rolled oats. (Adopted prior to 1928).

91. **Oat Shorts** is the product consisting of the covering of the oat grain lying immediately inside the hull, being a fuzzy material carrying with it considerable portions of the fine floury part of the groat obtained in the milling of rolled oats. (Adopted prior to 1928).

92. **Oat Chop, Ground Oats, Pulverized Oats, Crushed Oats, or Crimped Oats** consists of the entire product made by chopping, cutting, grinding, crushing, or crimping whole oats. (Adopted 1931).

93. **Oat Groats** are the kernels produced from cleaned and dried oats in the process of manufacturing oat meal. (Adopted 1931).

94. **Hulled Oats, or Undried Oat Groats** are the kernels produced from the undried grain in the process of hulling oats. (Adopted 1931).

95. **Oat Meal, or Ground Oat Groats** is the product produced by cutting, cracking or grinding oat groats. (Adopted 1931).

96. **Rolled Oat Groats or Rolled Oats** is the product obtained in the process of rolling oat groats. (Adopted 1931).

97. **Clipped Oat By-Products** is the by-product obtained in the manufacture of clipped oats. It may contain the light chaffy material broken from the end of the hulls, empty hulls, light immature oats and dust. It must not contain an excessive amount of oat hulls. (Adopted prior to 1928).

98. **Oat Mill Feed** (Oat Hulls, Oat Shorts and Oat Middlings) is the entire by-product produced in the manufacture of oat groats and consists of oat hulls, oat shorts and oat middlings. If used in a mixed feed, it shall be called Oat Mill Feed (Oat Hulls, Oat Shorts and Oat Middlings. (Adopted 1932).

PALM PRODUCTS

99. Palm Kernel Oil Meal is the ground residue from the extraction of part of the oil by pressure or solvents from the kernel of the fruit of *Elaeis guineensis or Elaeis molanococco.* (Adopted prior to 1928).

PEANUT PRODUCTS

100. ..... Per Cent Protein Peanut Oil Cake is the residue after the extraction of part of the oil by pressure or solvents from peanut kernels. (Adopted prior to 1928).

101. ..... Per Cent Protein Peanut Oil Meal is ground peanut oil cake. (Adopted prior to 1928).

102. Unhulled Peanut Oil Feed is the ground residue obtained after extraction of part of the oil from whole peanuts, and the ingredients must be designated as **Peanut Meal and Hulls.** (Adopted prior to 1928).

RICE PRODUCTS

103. Rice Bran is the pericarp or bran layer of the rice, with only such quantity of hull fragments as is unavoidable in the regular milling of rice. (Adopted prior to 1928).

104. Rice Hulls is the product consisting of the outer coverings of the rice. (Adopted prior to 1928).

105. Rice Polish is the finely powdered material obtained in polishing the kernel. (Adopted prior to 1928).

106. Rice Meal is ground brown rice or ground rice after the hull has been removed. (Adopted prior to 1928).

107. Ground Rough Rice is ground rice from which the hull has not been removed or ground paddy rice. (Adopted prior to 1928).

108. Rice Stone Bran is the siftings from the materials secured in removing hulls from rice and contains rice germs, broken rice and some rice hulls. (Adopted prior to 1928).

109. Rice Huller Bran is a product secured by the huller and cones from brown rice and consist mostly of the bran and germs. (Adopted prior to 1928).

RYE PRODUCTS

110. Rye Bran is the coarse outer covering of the rye kernel as separated from the cleaned and scoured rye. (Adopted prior to 1928).

111. Rye Feed is a by-product obtained in the usual process of the milling of rye flour from cleaned and scoured rye grain, consisting principally of the mill-run of the outer covering of the rye grain and the germ with small quantities of flour and aleurone. (Adopted prior to 1928).

112. Rye Red Dog is a by-product obtained in the usual process of the milling of rye flour, consisting principally of aleurone with small quantities of flour and fine bran particles and must not contain more than 3.5 per cent of crude fibre. (Adopted prior to 1928).

113. Rye Low-Grade Feed Flour consists principally of dark rye flour and small quantities of aleurone and fine bran particles and must not contain more than 1.5 per cent of crude fibre. (Adopted prior to 1928).

114. Rye Middlings consists of rye feed and rye red dog combined in the proportions obtained in the usual process of milling rye flour. (Adopted prior to 1928).

115. Rye Flour Middlings consist of rye feed, rye red dog and pure dark rye flour combined in the proportions obtained in the milling of rye flour and must not contain more than 5 per cent of crude fibre. (Adopted prior to 1928).

SCREENINGS

116. Screenings consist of a mixture of mill or elevator run materials or a combination of varying amounts of materials obtained in the process of cleaning grain and/or seed, such as inferior, light or broken grain or seed, weed seeds, hulls, chaff, joints, straw, elevator dust, floor sweepings. They must be relatively free of unpalatable or injurious weed seeds, sand and dirt. They must not contain more than 14 per cent of fibre or more than 6.50 per cent of ash. If they bear a name descriptive of their kind or origin, they must correspond thereto. (Adopted 1935).

117. Screenings—Grain consist of inferior, light or broken grain and/or seed obtained in the process of cleaning grain or seed or recleaning screenings. They must be relatively free of weed seeds, chaff, straw, hulls, joints, sand and dirt, and other foreign materials. If they bear a name descriptive of their kind or origin, they must correspond thereto. (Adopted 1935).

118. Screenings Waste or Screenings Refuse is a mixture of materials of little or no feeding value, or injurious as a feed, obtained in the process of cleaning grain and/or seed, or recleaning screenings, such as weed seeds which may be unpalatable or injurious, chaff, hulls, straw, sticks, joints, elevator dust, floor sweepings, sand and dirt. (Adopted 1935).

119. Scourings consist of such portions of the cuticle, brush, white caps, dust, smut and other materials as are separated from the grain in the usual commercial process of scouring. (Adopted prior to 1928).

(NOTE)—If to any of the wheat or rye by-product feeds there should be added screenings or scourings—as above defined, either ground or unground, bolted or unbolted, such brand shall be so registered, labeled and sold as clearly to indicate this fact. The word "Screenings," or "Scourings," as the case may be, shall appear as part of the name or brand and shall be printed the same size and face of type as the remainder of the brand name. When the word "Screenings" appears it is not necessary to show also on the labeling the word "Scourings." (Adopted prior to 1928).

SORGHUM PRODUCTS

120. Head Chops is the product consisting of the entire heads of the grain sorghums chopped, and should bear the name of the sorghum from which it is made. This includes, among others, kaffir head chops, milo head chops, feterita head chops, and sorghum head chops. (Adopted prior to 1928).

121. Head Stems is the product consisting of the stems from the heads of the grain sorghums after the grain has been removed, and should bear the name of the sorghum from which it is made. (Adopted prior to 1928).

SOYBEAN PRODUCTS

122. Ground Soybeans is the product obtained by grinding whole soybeans without cooking or removing any of the oil. (Adopted 1933).

123. ..... Per Cent Protein Soybean Oil Cake or Soybean Oil Chips is the product obtained by crushing, cooking and removing part of the oil from soybeans. (Adopted 1933).

124. ..... Per Cent Protein Soybean Oil Meal is ground soybean oil cake or ground soybean oil chips. (Adopted 1933).

VELVET BEAN PRODUCTS

125. **Velvet Bean Meal** is ground velvet beans containing only an unavoidable trace of hulls or pods. (Adopted prior to 1928).

126. **Ground Velvet Bean and Pod** is the product derived by grinding velvet beans with the pod. It contains no additional pods or other materials. (Adopted prior to 1928).

WHEAT PRODUCTS

127. **Wheat Bran** is the coarse outer covering of the wheat kernel as separated from cleaned and scoured wheat in the usual process of commercial milling. (Adopted prior to 1928).

128. **Wheat Standard Middlings** consists mostly of fine particles of wheat bran, wheat germ, and very little of the fibrous offal obtained from the "tail of the mill." This product must be obtained in the usual commercial process of milling and must not contain more than 9.5 per cent of crude fibre. (Adopted prior to 1928).

129. **Wheat Flour Middlings** shall consist of wheat standard middlings and wheat red dog combined in the proportions obtained in the usual process of milling and must not contain more than 6.0 per cent of crude fibre. (Adopted prior to 1928).

130. **Wheat Red Dog** is a by-product obtained in the usual commercial process of flour milling, consisting principally of aleurone with small quantities of wheat flour and fine wheat bran particles and must not contain more than 4.0 per cent of crude fibre. (Adopted prior to 1928).

131. **Wheat Low-Grade Feed Flour** is a by-product obtained in the usual commercial process of flour milling, consisting principally of wheat flour with small quantities of aleurone and fine wheat bran particles and must not contain more than 1.5 per cent of crude fibre. (Adopted prior to 1928).

132. **Wheat Bran and Wheat Standard Middlings** consist of the two commodities as defined above, mixed in the proportions obtained in the usual process of commercial milling. (Adopted prior to 1928).

133. **Hard Wheat Mixed Feed** (mill-run wheat feed) consists of wheat bran and wheat flour middlings combined in the proportions obtained in the usual process of commercial milling. This product must not contain more than 9.5 per cent of crude fibre. (Adopted prior to 1928).

134. **Wheat Brown Shorts** (Wheat Red Shorts) consists mostly of the fine particles of wheat bran, wheat germ and very little of the fibrous offal obtained from the "tail of the mill." This product must be obtained in the usual commercial process of milling and must not contain more than 7.5 per cent of crude fibre. (Adopted prior to 1928).

135. **Wheat Gray Shorts** (Wheat Gray Middlings or Wheat Total Shorts) consists of the fine particles of the outer bran, the inner bran or bee-wing bran, the germ and the offal or fibrous materials obtained from the "tail of the mill." This product must be obtained in the usual process of commercial milling and must not contain more than 6.0 per cent of crude fibre. (Adopted prior to 1928).

136. **Wheat White Shorts or Wheat White Middlings** consists of a small portion of the fine wheat bran particles and the wheat germ and a large portion of the fibrous offal obtained from the "tail of the mill." This product must be obtained in the usual process of flour milling and must not contain more than 3.5 per cent of crude fibre. (Adopted prior to 1928).

137. Wheat Mixed Feed (mill-run wheat feed) consists of wheat bran and the gray or total shorts combined in the proportions obtained in the usual process of commercial milling. This product must not contain more than 8.5 per cent of crude fibre. (Adopted prior to 1928).

RESOLUTIONS ADOPTED

1. Resolved that it is the sense of this Association that we understand the term "Nitrogen Free Extract" to cover the product indicated by the percentage obtained by subtracting from 100 per cent the sum of the percentages of Ash, Moisture, Protein, Fat and Fiber. (Adopted prior to 1923).

2. Resolved that the term "carbohydrates" be interpreted to cover the product indicated by the percentage obtained by the addition of the percentages of crude fibre and nitrogen free extract. (Adopted prior to 1923).

3. Resolved that it is the sense of this Association that a ton of feed be 2,000 pounds, net. (Adopted prior to 1923).

4. Resolved that this Association go on record as opposing the use of second hand bags unless they are turned wrong side out so that the original stenciling will not be displayed. (Adopted prior to 1923).

5. Resolved that this Association go on record to the effect that the term cracked corn does not apply to degermed cracked corn. (Adopted prior to 1923).

6. Resolved that this Association go on record as condemning the practice of packing feedingstuffs in bags containing 99 pounds net and billing and charging for 100 pounds net. (Adopted 1923).

7. Whereas, Linseed Oil Meal is sold more or less on the basis of the protein content, as in the case of cottonseed meal, therefore.

Be it Resolved that the percentage of protein should be prefixed to linseed cake or meal, as is done with cottonseed meal, for example 34 per cent Protein Linseed Meal. (Adopted 1923).

8. Resolved that it is the sense of this Association that no product sold under a trade or proprietary name be recognized for the purpose of formulating definitions, standards, etc. (Adopted 1927).

9. Resolved that this Association go on record as condemning the use of the word vitamin in a bran name, and as opposing the acceptance of registration of feeds with this word in the brand name. (Adopted 1929).

10. Resolved: (a) That it is the sense of this Association that the names of feed materials or their combinations must not be misleading as to the kind, character and nature of the material or materials.

(b) That the name of each feed material should be stated in its simplest form and in the common English term, if such term exists, omitting all superfluous or ambiguous words.

(c) That if a descriptive name is used, the material must correspond thereto. (Adopted 1930).

11. Resolved that this Association go on record as disapproving any use of artificial colors in the manufacture of feedstuffs. (Adopted 1931).

12. Resolved that this Association go on record as condemning the use of any contraction of the word "vitamin," or any word suggesting vitamin in a brand name, and as opposing the acceptance of registrations of feeds under names which are in conflict with this resolution. (Adopted 1932.

13. Resolved that any material sold primarily as a vitamin D supplement for poultry shall be labeled with a minimum guarantee of anti-rachitic potency, specifying the minimum percentage level at which normal calcification is produced, according to the tentative method of analysis as adopted by the Association of Official Agricultural Chemists. Calcification shall be considered to be normal when the minimum tibia ash averages are 44 per cent. (Adopted 1933—Amended 1935).

14. Resolved that all tentative definitions should not be used until adopted as official, unless specified action of the Association is taken. (Adopted 1933).

15. Resolved that the Association of American Feed Control Officials, Inc., request the cooperation of all recognized feed manufacturing associations in submitting for approval any contemplated changes in definitions of feedingstuffs which in any way conflict with the official definitions as adopted by this organization.

It is also requested that wherever practicable any existing conflicting definitions be changed to conform to the official definitions. (Adopted 1934).

16. Whereas, many states which have adopted the Association's definitions for cottonseed products require that a guarantee of fat and crude fibre content in cottonseed meal be made, therefore, for the sake of uniformity of labels and registration, and in such cases where there is no conflict with existing feed laws,

Be it Resolved, that the following guarantee of fat and crude fibre be recommended:

	Crude Fat Not Less Than	Crude Fibre Not More Than
For 36% Protein Cottonseed Meal	4.50%	16.00%
For 41% Protein Cottonseed Meal	5.00%	13.00%
For 43% Protein Cottonseed Meal	5.25%	12.00%

(Adopted 1934)

17. Since the term "carbohydrates" is misleading and combines a maximum guarantee of crude fibre with a minimum guarantee of nitrogen free extract,

Be it Resolved, that the use of the term "carbohydrates" on the uniform registration blank and uniform tags be discontinued. (Adopted 1935).

FEED ANALYSES

(A) Feed Definitions
(B) General Feeds
(C) Dog Foods
(D) Mineral Mixtures
(E) Assay of Vitamin D Supplements

The results obtained in the chemical and microscopical examination of feeds, dog foods, and mineral mixtures, are found on pages 52 to 135, the assays of vitamin D products immediately following. Feeds are considered seriously deficient as regards chemical analysis when they are one per cent or more deficient in protein, or one-half of one per cent deficient in fat.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Agricultural Corporation of Md., Baltimore, Md.	
Maryland Supplement 32% Dairy Ration	Baltimore
Maryland Supplement 32% Dairy Ration	Chestertown
Maryland Moremilk 24% Dairy Ration	Baltimore
Maryland Productive 24% Dairy Ration	Baltimore
Maryland Productive 24% Dairy Ration	Chestertown
Maryland Moneymaker 20% Dairy Ration	Baltimore
Maryland Closed 20% Dairy	Baltimore
Maryland Closed 16% Dairy	Baltimore
Maryland Egg Mash No. 1	Baltimore
Maryland Laying Mash No. 3 with Choice Alfalfa Meal and Sardine Oil	Baltimore
Maryland Lay Mash No. 3 with Choice Alfalfa Meal	Baltimore
Maryland Laying Mash No. 3 with Choice Alfalfa Meal	Chestertown
Maryland Economy No. 3 Mash	Baltimore
Maryland Horse Feed 85% Grain	Baltimore
Maryland Supplement Hog Meal 40%	Baltimore
Maryland Chick Scratch	Baltimore
Maryland Closed Scratch Grains	Baltimore
Maryland Scratch Grains	Chestertown
Maryland Turkey Growing Mash	Baltimore
Maryland Turkey Starting Mash, with Sardine Oil	Baltimore
Albers Brothers Milling Co., Seattle, Wash.	
Calf Manna	Elkton
E. T. Allen Co., Atlanta, Ga.	
Empire 41% Protein Cottonseed Meal	Fallston
Empire 41% Protein Cottonseed Meal	Bel Air
Empire 41% Protein Cottonseed Meal	Baltimore
Atlas 36% Protein Cottonseed Meal	Hagerstown
Allen and Wheeler Co., Troy, Ohio	
*‡Trojan I.X.L. Dairy Feed	Friendsville
‡Trojan Su-Kow Dairy Feed	Friendsville
‡Trojan Egg Mash, with DBM	Friendsville
‡Trojan Wheat Flour Middlings, with M. R. Ground Screen	Friendsville
Trojan KD Feed Meal	Friendsville
‡Trojan Fine Chick	Friendsville
C. L. Alexander, New Windsor, Md.	
Sam's Creek Laying Mash	New Windsor
Sam's Creek Starting and Growing Mash	New Windsor
G. A. Allender, Elkton, Md.	
*Open Formula Dandy Meat, Fish and Bone Meal	Elkton
Dandy 24% Dairy Feed	Elkton
Dandy 16% Dairy Feed	Elkton
Dandy Laying Mash	Elkton
Dandy Scratch Feed	Elkton
Allied Mills, Inc., Chicago, Ill.	
Super Soy	Maugansville
Amco 32% Supplement Dairy Ration	Street

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.01	32.00	32.51	4.00	5.08	9.00	6.81	9.21	38.38	As declared on sack.
8.79	32.00	32.03	4.00	4.83	9.00	6.22	6.22	41.91	" "
8.11	24.00	26.20	4.00	4.47	9.00	7.24	6.78	47.20	" "
10.81	24.00	25.49	3.50	4.26	9.00	6.33	7.04	46.07	" "
7.50	24.00	26.62	3.50	4.26	9.00	7.52	9.79	44.31	" "
7.79	20.00	24.32	3.50	4.52	9.00	7.90	6.93	48.54	" "
8.78	20.00	22.10	3.50	3.58	12.00	8.43	7.37	49.74	" "
8.76	16.00	20.76	3.00	3.87	12.00	9.48	9.66	47.47	" "
8.50	19.00	22.46	4.00	5.12	8.00	6.92	6.30	50.70	" "
8.95	20.00	20.01	4.00	5.46	8.00	7.34	7.25	50.99	" "
8.51	20.00	20.83	4.00	4.85	8.00	7.80	7.05	50.96	" "
7.75	18.50	20.53	4.00	4.60	8.00	8.40	7.55	51.17	" "
8.45	20.00	20.88	4.00	5.77	8.00	7.12	7.05	50.73	" "
9.64	9.00	10.44	3.00	3.38	9.00	6.59	3.27	66.68	" "
9.15	40.00	41.94	5.00	6.21	9.00	6.64	12.30	23.76	" "
10.66	10.00	11.93	2.00	3.11	3.00	2.37	2.06	69.87	" "
11.15	9.00	11.67	2.50	2.63	4.00	1.40	2.80	70.35	" "
11.06	10.00	10.97	2.00	2.49	3.00	1.97	2.00	71.51	" "
9.64	16.00	17.90	4.00	5.53	8.00	8.73	7.46	50.74	" "
9.70	20.00	21.15	4.00	6.56	8.00	7.03	7.07	48.49	" "
8.01	25.00	26.41	4.00	5.52	5.00	3.33	5.96	50.77	" "
5.76	41.00	43.35	5.50	6.96	13.00	9.95	6.90	27.08	" "
7.37	41.00	43.44	5.50	6.86	13.00	10.06	6.85	25.42	" "
7.49	41.00	42.47	5.50	7.37	13.00	10.19	7.90	24.58	" "
7.45	36.00	36.24	5.00	5.89	16.00	15.08	5.90	29.44	" "
9.34	24.00	25.40	5.00	3.72	9.00	8.43	7.54	45.57	" "
9.76	16.00	18.28	3.50	3.58	15.00	10.60	9.00	48.78	A.
8.80	20.00	20.53	4.50	4.38	7.00	7.18	9.80	49.31	B.
10.04	16.00	16.50	4.00	4.04	6.00	5.43	3.90	60.09	As declared on sack.
7.64	9.00	9.83	3.00	5.29	6.00	4.16	2.10	70.98	" "
10.96	10.00	11.50	2.50	2.67	5.00	1.62	1.85	71.40	" "
10.29	18.00	18.43	5.00	5.33	8.00	6.45	8.85	50.65	" "
10.10	18.00	18.62	5.00	6.34	6.00	5.37	8.25	51.32	" "
6.19	50.00	48.79	6.00	11.82	3.00	2.23	28.05	2.92	" "
8.26	24.00	25.71	4.00	5.09	11.00	10.45	6.25	44.24	" "
7.54	16.00	17.90	3.50	3.77	12.00	12.68	6.40	51.71	" "
7.82	20.00	23.96	4.50	6.22	9.00	7.36	9.00	45.64	" "
10.02	9.00	9.65	2.50	2.56	5.00	3.78	2.00	71.99	" "
6.82	37.00	37.03	4.50	5.82	6.50	6.34	11.75	32.24	" "
10.12	32.00	34.03	4.00	5.42	9.00	7.48	6.90	36.05	" "

A—Ingredients on sack differ from license.
B—Fibre guarantee and Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Allied Mills, Inc., Chicago, Ill. (Continued)	
Wayne 32% Farm Mix Dairy Feed	Baltimore
Wayne 24% Dairy Feed	Frederick
Wayne 24% Dairy Feed	Salisbury
Amco 20% Dairy Ration	Street
Empire 20% Dairy Ration	Salisbury
Wayne 20% Dairy Feed	Baltimore
Empire 16½% Dairy Ration	Salisbury
Topper 16% Dairy Feed	Baltimore
Wayne Mash Concentrate	Reisterstown
Amco Super Egg Mash	Grantsville
Empire Egg Mash, with Sardine Oil	Salisbury
Empire Egg Mash	Maugansville
Topper Egg Mash	Frostburg
‡Wayne Egg and Breeder Mash, with Sardine Oil	Salisbury
Wayne Egg and Breeder Mash	Maugansville
Amco Tip Top Mash	Granstville
Wayne Broiler Ration	Baltimore
Wayne Pork Maker	Baltimore
Wayne Pig Starter	Maugansville
Wayne Calf Meal	Baltimore
Wayne Poultry Fattener	Baltimore
Amco Super Starting and Growing Mash	Grantsville
Amco Super Starting and Growing Mash	Grantsville
Amco Super Starting and Growing Mash	Street
Empire Starter and Grower, with Sardine Oil	Baltimore
Empire Starter and Grower, with Sardine Oil	Westminster
Wayne Chich Starter	Baltimore
Wayne Chick Feed	Baltimore
Empire Scratch Feed	Salisbury
Wayne Scratch Feed	Baltimore
Wayne Pigeon Feed	Baltimore
Wayne Turkey Growing Mash, with Sardine Oil	Salisbury
Wayne Turkey Growing Mash	Chestertown
Wayne Turkey Starting Mash	Cumberland
Wayne Turkey Starting Mash	Salisbury
American Maize-Products Co., New York, N. Y.	
Amaizo Gluten Meal	Baltimore
Cream of Corn Gluten Feed	Baltimore
Cream of Corn Gluten Feed	Germantown
‡Amaizo Sweetened Gluten Feed	Baltimore
American Stores Co., Philadelphia, Pa.	
Farmdale Laying Mash	Frostburg
Farmdale Scratch Grains	Frostburg
Anchor Mills, Hagerstown, Md.	
Zip Egg Mash	Manchester
Anderson Grain and Feed Co., Inc., York, Pa.	
‡Anderson's 32% Dairy Mixing Ration	Jarrettsville
Anderson's 24% Dairy Feed	Jarrettsville

‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.01	32.00	**33.43**	4.00	**5.12**	9.00	**6.25**	**9.52**	**37.67**	As declared on sack
10.06	24.00	**24.91**	4.00	**3.96**	9.00	**7.97**	**7.27**	**45.83**	" "
9.44	24.00	**24.04**	4.00	**4.93**	9.00	**8.80**	**8.06**	**44.73**	" "
9.95	20.00	**24.16**	4.00	**4.54**	9.00	**10.22**	**6.54**	**44.59**	" "
9.30	20.00	**22.25**	3.00	**4.31**	12.00	**8.07**	**8.82**	**47.25**	" "
8.36	20.00	**22.08**	4.00	**4.12**	9.00	**8.38**	**6.55**	**50.51**	" "
9.80	16.50	**17.98**	3.00	**4.63**	12.00	**8.65**	**7.11**	**51.83**	" "
8.71	16.00	**20.27**	3.00	**3.49**	12.00	**8.20**	**9.33**	**50.00**	" "
6.78	32.00	**36.59**	4.00	**3.98**	8.00	**6.56**	**19.95**	**26.14**	" "
8.95	19.92	**18.50**	4.00	**4.28**	7.00	**6.42**	**6.35**	**54.08**	" "
10.19	16.50	**17.72**	3.50	**5.09**	7.00	**6.75**	**6.75**	**53.50**	" "
8.65	16.50	**18.43**	3.50	**5.03**	7.00	**6.94**	**8.50**	**52.45**	" "
10.04	18.00	**19.83**	3.50	**4.35**	10.00	**6.98**	**9.65**	**49.15**	" "
8.04	18.00	**18.69**	3.50	**5.72**	7.00	**6.13**	**7.85**	**53.57**	" "
8.15	18.00	**18.95**	3.50	**5.09**	7.00	**6.96**	**8.70**	**52.15**	" "
8.65	17.50	**18.87**	3.50	**5.85**	7.00	**6.82**	**5.90**	**53.91**	" "
8.07	18.00	**19.31**	3.50	**5.58**	8.00	**6.50**	**6.95**	**53.59**	" "
11.74	14.00	**14.25**	3.50	**3.50**	7.00	**5.41**	**6.31**	**58.79**	" "
9.55	18.00	**18.40**	3.50	**5.13**	7.00	**4.38**	**8.30**	**54.24**	" "
8.50	24.00	**26.24**	4.00	**4.38**	7.00	**6.77**	**7.65**	**46.46**	" "
9.46	13.50	**15.62**	3.50	**5.25**	8.00	**8.68**	**3.40**	**59.41**	" "
10.33	17.00	**18.43**	4.00	**5.31**	6.00	**5.20**	**7.17**	**53.56**	" "
9.99	17.00	**18.16**	4.00	**4.54**	6.00	**4.92**	**7.33**	**55.06**	" "
8.34	17.00	**18.95**	4.00	**5.49**	6.00	**5.40**	**7.65**	**54.17**	" "
7.96	16.00	**17.11**	3.50	**4.96**	6.00	**6.28**	**6.65**	**57.04**	" "
8.04	16.00	**17.90**	3.50	**4.93**	6.00	**6.49**	**8.30**	**54.34**	" "
8.95	17.00	**18.43**	4.00	**5.07**	6.00	**5.85**	**6.75**	**54.95**	" "
10.29	9.00	**12.11**	2.00	**3.88**	4.00	**2.10**	**1.80**	**69.82**	" "
10.00	9.00	**11.76**	2.50	**2.63**	4.00	**3.80**	**1.70**	**70.11**	" "
10.66	10.00	**11.06**	2.50	**2.49**	4.00	**3.39**	**1.25**	**71.15**	" "
10.77	12.00	**15.53**	2.00	**2.80**	5.00	**3.93**	**1.80**	**65.17**	" "
9.62	18.00	**18.08**	3.50	**5.44**	8.00	**6.85**	**6.95**	**53.06**	" "
9.51	18.00	**18.08**	3.50	**4.29**	8.00	**6.69**	**7.24**	**54.19**	" "
9.08	25.00	**26.06**	4.00	**6.46**	8.00	**7.08**	**9.60**	**41.72**	" "
9.25	25.00	**25.62**	4.00	**6.31**	8.00	**6.26**	**8.41**	**44.15**	" "
9.84	40.00	**42.56**	1.00	**1.44**	4.00	**2.14**	**3.25**	**40.77**	" "
8.91	25.00	**27.82**	2.00	**2.88**	8.50	**7.63**	**6.00**	**46.76**	" "
8.90	25.00	**30.01**	2.00	**3.84**	8.50	**7.47**	**7.20**	**42.58**	" "
9.15	20.00	**23.39**	1.00	**3.81**	7.00	**7.00**	**6.05**	**50.60**	" "
7.21	20.00	**21.06**	5.00	**5.02**	7.00	**6.68**	**10.20**	**49.83**	" "
10.98	10.00	**11.14**	2.50	**3.02**	4.00	**2.87**	**1.50**	**70.49**	" "
10.54	18.00	**18.60**	4.00	**4.52**	6.00	**7.05**	**6.80**	**52.49**	" "
10.66	32.00	**34.32**	4.00	**4.35**	10.00	**7.52**	**8.86**	**34.29**	" "
11.16	24.00	**24.08**	4.00	**4.92**	12.00	**10.31**	**9.72**	**39.81**	" "

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Anderson Grain and Feed Co., Inc., York, Pa. (Continued)	
Anderson's 16% Dairy Feed	Hagerstown
Anderson's 20% Laying Mash, with DBM	Jarrettsville
Angle Roller Mills, Berkeley Springs, W. Va.	
Pure Soft Winter Wheat Bran	Hancock
Pure Wheat Mixed Feed	Big Springs
Anne Arundel County Farmers Association, Baltimore, Md.	
Anarco Dairy Feed	Baltimore
Anarco Egg Mash, with BM. and Cod Liver Oil	Baltimore
Anarco Growing Mash, BM. and Cod Liver Oil	Baltimore
Anarco Hog Feed	Baltimore
Anarco Baby Chick Starter Mash, with BM. and Cod Liver Oil	Baltimore
Anarco Baby Chick Grains	Baltimore
Anarco Intermediate Scratch Feed	Baltimore
Anarco Scratch Feed	Baltimore
Arcady Farms Milling Co., Chicago, Ill.	
Arcady-Wonderlas	Baltimore
Arcady-Wonderlas	Mt. Airy
‡Arco 24% Dairy Ration	Clinton
*‡Wonder Dairy Ration	Oakland
‡Peerless Milk Ration	Clinton
‡Arcady Sweet 16 Dairy Feed	Mt. Airy
Provo 16% Dairy Feed	Oakland
Provo 16% Dairy Feed	Clinton
†Sunkist Egg Mash	Hagerstown
Sunkist Egg Mash	Clinton
‡Sunkist Growing Mash	Mt. Airy
‡Old Colony Feed	Mt. Airy
‡Beets-Oats Horse and Mule Feed	Oakland
Arcady Horse and Mule Feed	Baltimore
‡Wonder Hog Feed	Mt. Airy
Wonderfat Station Feed	Baltimore
‡Wonderfat Shipping Feed	Baltimore
‡Cracked Corn and Wheat	Oakland
‡Sunkist All Mash Starter and Grower	Clinton
‡Wonder Developing Grains	Mt. Airy
‡Sunkist Chick Grains	Baltimore
‡Riverside Scratch Grains	Oakland
Sunkist Scratch Grains	Clinton
‡Wonder Rabbit Feed	Baltimore
Arcady Complete Rabbit Feed	Mt. Airy
Archer-Daniels-Midland Co., Minneapolis, Minn.	
41% Protein O. P. Soybean Oil Meal	Frederick
37% Protein O. P. Linseed Meal	Keymar
‡Dairyland Dried Buttermilk	Baltimore
Ashcraft-Wilkinson Co., Atlanta, Ga.	
‡Gilt Edge Soya Bean Cake Meal	Frederick
Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Derwood

‡Not licensed at time of sale.
*Deficient in protein or fat.
†Deficient in both protein and fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.69	16.00	17.82	3.50	4.80	12.00	11.86	9.56	46.27	As declared on sack.
8.82	20.00	20.27	4.00	4.87	8.00	7.09	10.10	48.85	" "
8.10	14.00	14.48	4.00	4.51	9.00	8.46	6.05	58.40	A. " "
10.53	14.00	15.45	4.00	4.37	6.00	5.47	4.50	59.68	" "
7.26	26.00	26.24	5.00	5.22	9.00	8.82	7.10	45.36	" "
7.41	22.00	23.25	5.00	5.53	8.00	4.49	12.65	46.67	" "
6.88	17.00	19.74	5.00	5.86	6.00	5.33	7.50	54.69	" "
7.00	21.00	21.59	6.00	5.54	7.00	7.77	7.25	50.85	" "
7.66	18.00	18.87	4.50	5.16	5.50	4.63	7.70	55.98	" "
8.80	10.00	11.58	2.50	4.71	3.00	2.22	2.70	69.99	" "
9.43	10.00	10.35	2.50	4.07	3.00	2.70	1.76	71.69	" "
8.98	10.00	11.50	2.50	4.30	4.00	3.77	1.75	69.70	B.
9.98	30.00	31.06	4.00	4.92	6.00	4.31	10.60	39.13	As declared on sack.
10.02	30.00	29.92	4.00	6.01	6.00	6.32	11.93	35.80	" "
11.09	24.00	24.32	3.00	3.33	11.00	11.06	9.90	40.30	" "
9.92	24.00	22.35	3.50	3.65	10.00	9.85	10.79	43.44	" "
11.01	20.00	22.50	3.00	3.48	12.00	10.49	11.43	41.09	" "
10.04	16.00	17.61	3.50	3.57	12.50	11.08	13.44	44.26	" "
10.45	16.00	16.55	3.00	3.03	13.50	11.10	11.88	46.99	" "
10.52	16.00	17.31	3.00	3.75	13.50	12.65	9.95	45.82	" "
9.54	20.00	18.16	4.00	3.46	8.00	9.36	10.20	49.28	" "
7.06	20.00	20.01	4.00	3.93	8.00	9.09	9.80	50.11	" "
9.44	16.00	17.90	4.00	4.41	8.00	7.84	10.70	49.71	" "
8.88	20.00	19.40	3.00	3.45	11.00	10.17	12.60	45.50	" "
11.02	10.00	9.48	3.00	3.38	10.00	7.46	5.73	62.93	" "
10.22	9.00	10.86	2.00	2.86	12.00	12.18	5.28	58.60	" "
11.08	18.00	17.77	3.50	3.26	7.00	7.05	12.30	48.54	" "
9.00	12.50	15.18	4.50	5.42	6.00	6.04	5.18	59.18	" "
8.47	12.50	14.22	4.50	4.59	6.00	6.24	4.50	61.98	" "
11.80	10.00	10.00	2.50	3.06	5.00	2.15	1.68	71.31	" "
8.90	17.00	17.55	3.00	3.88	7.00	8.19	8.10	53.38	" "
11.51	10.00	11.50	2.50	3.30	5.00	2.54	1.78	69.37	" "
12.00	10.00	10.53	2.50	2.63	5.00	1.58	1.22	72.04	" "
8.83	10.00	11.58	2.50	2.56	5.00	2.81	1.60	72.62	" "
9.52	10.00	12.11	2.50	3.39	5.00	3.86	1.80	69.32	C.
7.83	12.00	12.89	3.00	3.66	8.00	7.55	4.48	63.59	As declared on sack.
11.40	12.00	11.99	2.50	2.21	16.00	15.78	9.64	48.98	" "
7.94	41.00	41.33	4.50	5.19	7.00	6.13	6.10	33.31	" "
8.65	37.00	37.91	4.50	5.02	9.00	8.43	5.90	34.09	D. " "
----	32.00	32.64	5.00	x5.58	----	----	8.90	----	" "
6.23	41.00	41.07	5.00	7.56	7.00	6.74	6.35	32.05	" "
7.12	41.00	41.59	5.00	6.93	13.00	11.47	6.53	26.36	" "

A—Fibre guarantee on sack differs from license.
B—Also detected Oats.
C—Also detected Barley.
D—Acid Insoluble Ash 0.28%.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Ashcraft-Wilkinson Co., Atlanta, Ga. (Continued)	
Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Elkton
Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Frederick
Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Frederick
Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Middleburg
Cow-Eta Brand 41% Prime Quality Cotton Seed Meal	Ellicott City
Hi-Pro Brand Prime Peanut Meal 45%	Frederick
Atkinson Milling Co., Minneapolis, Minn.	
‡Atkinson's Wheat Bran, with Ground Screenings N.Ex.M.R.	Frederick
‡Atkinson's Wheat Standard Middlings, with Ground Screenings N.Ex. M.R.	Chestertown
Atlantic Supply Co., Baltimore, Md.	
‡"A" Meat and Bone Scrap	Denton
*"A" Meat and Bone Scrap 50%	Ingleside
*"A" Meat and Bone Scrap 50%	Hampstead
"A" Meat and Bone Scrap 50%	Jefferson
*"A" Meat and Bone Scrap 50%	New Windsor
"A" Meat and Bone Scrap 50%	Hagerstown
"A" Meat and Bone Scrap 50%	Denton
"A" Meat and Bone Scrap 45%	Hagerstown
‡"A" Meat and Bone Scrap 45%	Denton
*"A" Poultry Bone Meal	Westminster
‡*"A" Poultry Bone Meal	Denton
Fish Meal	Walkersville
Fish Meal	Hagerstown
Fish Meal	Denton
‡Soya Bean Oil Meal	Adamstown
‡Rye Distillers Dried Grains	Baltimore
‡Dried Grains and Molasses	Bel Air
Atlantic Trading Corp., Inc., Somerville, N. J.	
E-Z-Gro-Blend	Federalsburg
Baltimore Feed and Grain Co., Baltimore, Md.	
BBL. 50% Meat and Bone Scrap	Baltimore
BBL. 50% Meat and Bone Scrap	Baltimore
BBL. 32% Dairy Feed	Baltimore
BBL. 24% Dairy Feed	Baltimore
BBL. 20% Dairy Feed	Baltimore
*BBL. 16½% Dairy Feed	Baltimore
BBL. Egg Mash, with Milk and Minerals	Baltimore
BBL. All Mash Laying Ration, with DBM. and Minerals	Baltimore
BBL. Improved Laying Mash, with DBM. and Mineral Supplement	Baltimore
BBL. Cod-Mlk-O-Lay Breeding Mash, with DBM., Cod Liver Oil and Mineral Supplement	Baltimore
BBL. Cod-Mlk-O-Gro, with DBM., Cod Liver Oil and Mineral Supplement	Baltimore
BBL. Broiler Feed	Baltimore
BBL. 40% Horse Feed	Baltimore
*BBL. Hog Feed	Baltimore

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.43	41.00	40.19	5.00	6.27	13.00	11.27	6.27	28.57	As declared on sack.
7.41	41.00	40.54	5.00	5.41	13.00	12.58	6.25	27.81	" "
6.08	41.00	41.16	5.00	5.28	13.00	13.27	6.05	28.16	" "
7.45	41.00	41.24	5.00	6.01	13.00	10.91	6.45	27.94	" "
7.23	41.00	41.94	5.00	5.84	13.00	12.93	6.10	25.96	" "
6.99	45.00	44.93	6.00	6.78	10.00	14.59	5.90	20.81	" "
10.05	14.00	18.16	4.00	3.86	12.00	9.90	6.30	51.73	" "
9.47	15.00	18.08	4.00	4.09	9.50	8.85	5.25	54.26	" "
4.93	55.00	54.09	6.00	7.53	2.00	2.08	29.65	1.72	" "
5.80	50.00	48.27	8.00	7.76	2.00	2.21	34.75	1.21	" "
5.92	50.00	46.51	8.00	7.99	2.00	2.29	25.64	11.65	" "
6.00	50.00	49.58	8.00	8.91	2.00	2.81	31.65	1.05	" "
6.81	50.00	47.30	8.00	7.84	2.00	1.48	33.30	3.27	" "
6.65	50.00	51.78	8.00	11.73	2.00	1.83	26.65	1.36	" "
6.60	50.00	52.13	8.00	11.29	2.00	2.09	27.67	.22	" "
5.90	45.00	44.58	8.00	10.38	2.00	2.07	36.70	.37	" "
7.05	45.00	46.69	8.00	12.26	2.00	1.86	32.00	.14	" "
8.58	5.00	5.88	2.00	.39	2.00	.20	83.30	1.65	" "
6.33	5.00	6.49	2.00	.43	2.00	.87	83.95	1.93	" "
7.00	58.00	58.88	6.00	6.51	1.00	.32	17.12	10.17	" "
6.45	58.00	65.82	6.00	6.21	1.00	.35	14.52	6.65	" "
7.12	58.00	65.82	6.00	8.91	1.00	.28	17.75	.12	" "
7.50	42.00	43.00	4.50	7.06	7.00	5.92	7.60	28.92	" "
6.08	20.00	21.24	5.00	5.26	16.00	14.46	3.15	49.81	" "
8.01	17.00	19.38	4.25	5.29	14.50	12.61	3.29	51.42	" "
7.63	33.00	32.99	2.00	2.82	4.00	2.29	7.00	47.27	
5.42	50.00	50.11	6.00	11.92	3.00	1.96	27.53	3.06	" "
6.45	50.00	52.65	6.00	9.37	3.00	1.67	28.52	1.34	" "
9.92	32.00	33.57	4.00	4.47	7.50	8.88	7.12	36.04	" "
9.88	24.00	23.28	4.50	4.56	10.00	7.90	6.74	47.64	" "
8.81	20.00	19.52	4.50	4.03	12.00	8.78	6.36	52.50	" "
9.50	16.50	14.96	3.00	3.12	13.00	10.50	8.51	53.41	" "
8.15	20.00	21.24	4.50	7.43	9.00	7.76	6.70	48.72	" "
8.59	15.00	16.85	4.00	5.05	5.50	5.21	5.75	58.55	" "
9.46	20.00	19.93	4.00	5.02	6.50	6.16	7.90	51.53	" "
8.45	20.00	20.01	4.00	4.22	6.50	6.68	7.70	52.94	" "
8.31	18.00	17.99	4.50	6.25	6.50	6.04	7.28	54.13	" "
8.52	18.00	18.78	4.50	6.06	6.00	5.47	8.05	53.12	" "
9.42	7.00	8.33	2.50	2.20	13.00	8.53	8.01	63.51	" "
8.98	18.00	16.85	4.50	4.62	8.00	5.84	7.40	56.31	" "

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Baltimore Feed and Grain Co., Baltimore, Md. (Continued)	
BBL. All Mash Starting and Growing Mash, with DBM., Cod Liver Oil and Minerals	Baltimore
BBL. Baby Chick Feed	Baltimore
BBL. Chick Developer	Annapolis
BBL. Chick Developer	Baltimore
BBL. Recleaned Scratch Feed	Baltimore
Victory Scratch Feed N. G.	Baltimore
BBL. Breeding Pigeon Feed	Baltimore
‡BBL. Rapid Flight Racing Pigeon Feed	Annapolis
BBL. Special Breeding Pigeon Feed	Baltimore
Baltimore Pure Rye Distilling Co., Dundalk, Md.	
Rye Distillers' Grains	White Hall
Rye Distillers' Grains	Darlington
Barker, Moore and Mein Co., Philadelphia, Pa.	
Barker's Poultry Powder	Sharpsburg
Baugh and Sons, Baltimore, Md.	
‡Duplex Egg Producer Pure Meat Scrap	Sykesville
Baugh's Oldest Brand Meat and Bone Scrap	Linwood
Baugh's Oldest Brand Meat and Bone Scrap	Gaithersburg
Baugh's Oldest Brand Meat and Bone Scrap	Snow Hill
Baugh's Oldest Brand Meat and Bone Scrap	Chestertown
Baugh's Sterilized Steamed Bone For Feeding	Baltimore
Baugh's 58% Fish Meal	St. Michaels
Baugh's 58% Fish Meal	St. Michaels
‡Baugh's 58% Fish Meal	Sykesville
‡Baugh's 60% Digester Tankage	Sykesville
Baugh's No. 1 Laying Mash	Salisbury
Beacon Milling Co., Inc., Cayuga, N. Y.	
‡Beacon Sweet "24"	Salisbury
Auburn Brand Auburn Dairy Feed	Cockeysville
Beacon Egg Mash, with BM.	Salisbury
Beacon Cayuga Laying Mash, with DBM.	Salisbury
‡Beacon Battery Laying Ration	Easton
Beacon Growing Mash	Cockeysville
‡Beacon Battery Pullet Growing Ration	Easton
Beacon Breeders Mash, with BM.	Salisbury
‡Beacon Broiler Feed	Salisbury
Beacon Fleshing Pellets	Cockeysville
‡Beacon Complete Starting Ration	Salisbury
‡Beacon Cayuga Scratch Feed	Salisbury
Beacon Turkey Growing Feed	Cockeysville
Beacon Turkey Starter	Cockeysville
‡Beacon Rabbit Alfalfa, with Molasses	Salisbury
J. L. Beauchamp and Sons, Delmar, Del.	
J. B. Laying Mash	----------
Delmar Laying Mash	----------
J. B. All Mash Grow, with BM. and Cod Liver Oil	----------
J. B. Scratch Feed	----------

‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.67	14.00	16.15	3.50	5.93	4.00	4.78	7.00	57.47	As declared on sack.
10.37	10.00	10.09	3.00	3.82	3.00	2.14	2.55	71.03	" "
10.76	10.00	11.41	3.00	3.17	3.00	2.66	2.65	69.35	A.
10.43	10.00	11.06	3.00	3.11	3.00	2.59	2.49	70.32	As declared on sack.
9.68	10.00	10.27	3.00	3.02	3.00	2.59	1.95	72.49	" "
9.04	10.00	10.35	3.00	3.89	3.00	3.08	2.54	71.10	" "
10.07	14.00	14.39	3.00	3.01	4.00	4.25	2.05	66.23	" "
10.08	17.50	18.95	3.00	2.85	5.00	4.77	2.72	60.63	" "
10.54	14.00	13.95	3.00	4.52	4.00	4.42	1.95	64.62	" "
9.39	16.00	17.64	5.00	6.33	20.00	15.56	2.11	48.97	" "
8.45	16.00	16.50	5.00	6.65	20.00	17.80	1.60	49.00	" "
7.10	15.00	20.71	3.50	4.38	16.00	10.12	4.15	53.54	
6.43	55.00	55.29	6.00	8.94	3.00	1.29	27.10	.95	B.
6.65	50.00	49.84	6.00	9.14	3.00	1.62	32.00	.75	As declared on sack.
5.71	50.00	50.63	6.00	9.54	3.00	1.82	31.35	.95	" "
6.50	50.00	50.46	6.00	9.51	3.00	2.25	29.10	2.18	" "
6.66	50.00	49.93	6.00	10.09	3.00	1.67	34.50	----	" "
3.93	5.00	6.32	.20	1.94	4.00	.65	86.70	.46	" "
6.65	58.00	58.80	5.00	7.69	3.00	.23	22.15	4.48	" "
6.78	58.00	58.45	5.00	7.78	3.00	.47	17.65	8.87	" "
8.13	58.00	61.52	5.00	6.90	3.00	.32	17.10	6.03	" "
9.74	60.00	60.02	5.00	5.47	3.00	1.48	22.90	.39	" "
9.04	20.00	19.66	4.00	4.99	7.00	6.89	8.05	51.37	" "
8.01	24.00	24.75	4.00	4.39	9.00	7.13	6.65	49.07	" "
11.26	20.00	19.43	4.00	4.20	10.00	8.02	6.19	50.90	" "
8.24	22.00	23.42	4.50	5.59	7.00	7.24	12.15	43.36	" "
8.91	20.00	20.45	4.00	5.34	7.00	6.74	11.60	46.96	" "
8.40	16.00	17.90	4.00	5.36	7.00	6.50	7.55	54.29	" "
9.13	18.00	18.95	4.00	4.38	7.00	8.04	9.12	50.38	" "
8.95	14.00	17.20	4.00	4.66	7.50	6.02	7.10	56.07	" "
8.31	20.00	21.41	4.00	5.25	7.00	8.04	9.80	47.19	" "
7.60	17.00	17.90	4.00	4.77	6.00	5.13	9.60	56.00	" "
9.32	15.00	16.67	3.50	3.87	5.00	5.06	5.83	59.25	" "
8.73	17.50	17.90	4.00	4.56	6.00	5.45	8.45	54.91	" "
10.54	9.00	10.53	2.00	3.14	5.00	3.00	1.60	71.19	" "
8.75	20.00	20.88	4.00	4.85	7.00	6.88	8.35	50.29	" "
8.98	24.00	23.25	4.00	4.84	6.00	5.02	10.00	47.91	" "
10.59	13.00	16.29	1.00	1.67	33.00	20.74	10.98	39.73	" "
8.01	16.00	18.25	4.50	5.62	8.00	6.16	7.85	54.11	" "
8.54	20.00	20.88	4.00	4.40	8.00	8.35	8.60	49.23	" "
9.03	17.00	17.20	4.50	6.06	7.00	7.65	7.55	52.51	C.
10.01	8.81	10.09	3.46	4.65	4.08	3.01	1.70	70.54	D.

A—Ingredients on sack differ from license.
B—Should be designated as Meat and Bone Scrap.
C—Also contains Alfalfa Stems indicative of the use of Alfalfa Meal and not Alfalfa Leaf Meal as declared.
D—Unable to detect Oats.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
G. T. Bell and Son, Federalsburg, Md.	
Pure Wheat Bran	Federalsburg
Pure Wheat Middlings	Federalsburg
J. P. Bennett and Son, Mardela Springs, Md.	
Bennett's Best Laying Mash	Mardela Springs
D. M. Laying Mash	Mardela Springs
Bennett's Best Hog Feed	Mardela Springs
Bennett's Best Developing Ration	Mardela Springs
Bennett's Best Scratch Feed	Mardela Springs
Berlin Feed Store, Berlin, Md.	
B-F-S Laying Mash	Berlin
B-F-S Starter and Growing Mash	Berlin
Berlin Milling Co., Berlin, Md.	
Economy Laying Mash	Berlin
Economy Growing Mash	Salisbury
Economy Starter and Broiler Mash	Berlin
Pure Wheat Bran	Salisbury
Pure Wheat Flour Middlings, with Ground Screenings	Salisbury
Geo. W. Biles Co., Inc., Providence, Md.	
Cecil County Dairy Feed	Providence
Cecil County Laying Mash	Providence
Cecil County Growing Mash	Providence
Cecil County Chick Starter	Providence
Bisbee Linseed Co., Philadelphia, Pa.	
*Bisbee Brand 34% Protein O.P. Linseed Oil Meal	Westminster
Bisbee Brand 34% Protein O.P. Linseed Oil Meal	Germantown
W. H. Blakeslee, Wye Mills, Md.	
Pure Wheat Bran	Wye Mills
†Pure Wheat Middlings	Wye Mills
Blamburg Bros., Inc., Baltimore, Md.	
‡Cornell Brand No. 1 Superfine Squab Breeding Feee	Taneytown
Blatchford Calf Meal Co., Waukegan, Ill.	
V.D.	Ellicott City
Blatz Brewing Co., Milwaukee, Wis.	
Blatz 100% Brewers Dried Grains	Mt. Airy
Thomas B. Bourne, Crumpton, Md.	
Red Lion Mill Laying Mash	Church Hill
Red Lion Mill Starter	Church Hill
Bowman Bros., Gaithersburg, Md.	
Gilt Edge Dairy Feed	Gaithersburg
Gilt Edge Lay Mash	Gaithersburg
Gilt Edge Grow Mash	Gaithersburg

*Deficient in protein or fat.
†Deficient in both protein and fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.89	14.50	13.69	4.00	4.95	9.00	7.46	7.05	57.96	As declared on sack.
10.51	15.00	14.74	4.00	4.82	5.00	4.65	3.90	61.38	" "
8.79	20.00	21.59	4.00	5.02	9.00	7.03	11.95	45.62	" "
8.79	20.00	22.46	4.00	4.64	9.00	6.97	10.25	46.89	" "
8.87	16.00	18.60	4.00	4.63	10.00	7.78	10.08	50.04	" "
8.68	16.00	17.64	4.00	4.39	8.00	5.05	8.40	55.84	" "
10.50	8.00	10.18	2.00	2.50	4.00	3.84	1.91	71.07	" "
8.75	20.00	20.88	4.00	5.40	6.00	5.09	14.10	45.78	" "
9.45	17.00	19.48	4.00	4.52	6.00	4.63	12.35	49.57	" "
8.54	19.00	18.95	5.00	5.08	6.50	7.20	12.35	47.88	" "
8.75	15.00	15.88	4.50	4.56	5.00	6.70	10.08	54.03	" "
8.43	18.00	17.29	4.50	4.49	4.50	4.82	8.40	56.57	" "
10.02	15.00	14.30	3.00	4.93	10.00	11.77	7.30	51.68	" "
10.54	14.50	14.57	4.00	4.81	5.00	4.65	4.40	61.04	" "
7.32	24.00	25.10	4.00	4.38	9.00	8.98	6.45	47.77	" "
8.20	20.00	21.06	4.00	4.78	8.00	6.20	12.20	47.56	" "
7.57	16.00	16.41	4.00	4.52	8.00	5.20	8.80	57.50	" "
8.65	14.00	15.53	4.00	4.35	6.00	3.38	8.60	59.49	" "
8.31	34.00	32.47	5.00	4.94	10.00	8.70	5.75	39.83	A. " "
7.99	34.00	33.52	5.00	5.49	10.00	8.26	7.85	36.89	B. " "
9.54	14.00	13.43	3.50	4.65	10.00	7.92	5.30	59.16	" "
10.00	14.00	9.83	4.00	2.00	5.00	1.77	1.70	74.70	" "
9.82	12.10	11.67	3.70	3.32	3.50	3.13	2.65	69.41	C.
9.08	31.00	31.06	5.00	5.37	5.75	5.76	9.65	39.08	As declared on sack.
6.90	24.00	24.83	5.00	5.32	18.00	16.01	4.26	42.68	" "
8.67	20.00	20.18	4.00	4.75	8.00	10.20	7.83	48.37	" "
8.18	17.00	16.23	4.00	4.42	5.00	6.57	7.81	56.79	" "
8.15	26.00	26.06	5.00	5.86	9.00	9.73	7.90	42.30	" "
9.16	19.00	18.95	5.00	5.25	6.00	5.77	10.00	50.87	" "
8.46	16.00	16.32	3.50	5.10	6.00	4.69	6.25	59.18	" "

A—Acid Insoluble Ash 0.22%.
B—Acid Insoluble Ash 1.71%.
C—Unable to detect Millet.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Bowman Bros., Gaithersburg, Md. (Continued)	
Pure Wheat Barn	Gaithersburg
†Winter Wheat Middlings, with M.R.S.	Gaithersburg
Bradley and Baker, Baltimore, Md.	
55% Meat Scrap	Ellicott City
50% Meat and Bone Scrap	Frederick
50% Meat and Bone Scrap	Baltimore
45% Meat and Bone Scrap	Ellicott City
Fish Meal	Elkton
Soya Bean Meal	Baltimore
C. H. Braun and Sons, Inc., Baltimore, Md.	
Encore Brand 55% Meat Scrap	Ellicott City
*Encore Brand 55% Meat Scrap	Ellicott City
*Encore Brand 55% Meat Scrap	Denton
*Encore Brand 50% Meat and Bone Scrap	Maple Grove
Encore Brand 45% Meat and Bone Scrap	Ellicott City
Encore Brand 45% Meat and Bone Scrap	Hagerstown
Encore Brand 60% Digester Tankage	Ellicott City
P. M. Brooks, Chestertown, Md.	
Rose Bud Egg Mash	Chestertown
Rose Bud Poultry Grains	Chestertown
Pure Wheat Bran	Chestertown
Pure Wheat Middlings	Chestertown
Rose Bud Starter and Grower	Chestertown
Rose Bud Sunshine Turkey Starter Mash	Chestertown
*Rose Bud Sunshine Turkey Starter Mash	Chestertown
Rose Bud Sunshine Turkey Grower	Chestertown
‡Rose Bud Turkey Mash	Chestertown
Brooks Supply Co., Reisterstown, Md.	
"Brooks' Special" Egg Mash	Reisterstown
Herbert Bryant, Inc., Alexandria, Va.	
50% Meat Scrap For Poultry	Washington Grove
*50% Meat Scrap For Poultry	Washington Grove
*50% Meat Scrap For Poultry	Washington Grove
*50% Meat Scrap For Poultry	Washington Grove
Pure Ground Fish For Poultry	Washington Grove
Pure Ground Fish For Poultry	Washington Grove
‡Bryant's Home 32% Dairy Feed	Washington Grove
‡Bryant's Home 26% Dairy Feed	Washington Grove
‡Bryant's Home 20% Dairy Feed	Washington Grove
‡Bryant's 20% Prize-Winner Dairy Feed	Washington Grove
‡"HB" Laying Mash	Washington Grove
‡"HB" Growing Mash	Washington Grove
"HB" All Mash Chick Starter	Washington Grove
‡Bryant's Home Chick Starter	Washington Grove
Bryant's New Deal Scratch	Washington Grove
‡"HB" All Mash Turkey Starter and Grower	Washington Grove

†Deficient in both protein and fat.
*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.97	13.50	13.25	3.20	3.69	9.27	10.78	7.60	54.71	As declared on sack.
11.32	15.00	13.25	4.00	3.39	6.00	3.02	2.95	66.07	" "
6.51	55.00	57.57	6.00	12.23	3.00	1.41	20.40	1.88	" "
6.05	50.00	51.51	6.00	8.82	3.00	1.99	31.30	.33	" "
6.41	50.00	53.71	6.00	12.56	3.00	1.10	26.20	.02	" "
6.78	45.00	49.67	6.00	12.54	3.00	1.85	27.45	1.71	" "
7.62	58.00	60.38	5.00	8.05	2.00	.42	15.63	7.90	" "
8.49	42.00	42.47	6.00	7.14	12.00	5.24	7.20	29.46	" "
6.45	55.00	55.99	6.00	8.57	3.00	2.21	28.40	----	A.
7.12	55.00	53.97	6.00	7.69	3.00	1.81	28.75	.66	A.
6.48	55.00	53.53	6.00	9.17	3.00	1.96	28.80	.06	A.
5.72	50.00	48.44	6.00	11.94	3.00	2.72	25.84	5.34	As declared on sack.
6.66	45.00	44.05	6.00	15.57	3.00	2.21	29.35	2.16	" "
6.19	45.00	48.09	6.00	12.93	3.00	1.81	29.30	1.68	" "
7.40	60.00	61.08	6.00	7.84	3.00	1.92	18.35	3.41	" "
7.99	19.00	19.31	4.50	6.38	7.00	7.53	12.14	46.65	" "
9.14	9.00	10.00	2.50	3.17	5.00	2.62	1.95	73.12	" "
10.06	13.00	13.69	3.50	4.61	10.00	8.76	7.57	55.31	" "
9.45	13.00	13.69	3.50	4.00	5.00	4.54	2.50	65.82	" "
9.75	17.00	18.34	4.00	5.24	6.50	3.68	8.32	54.67	" "
9.57	26.00	25.71	5.00	6.85	6.00	4.40	----	----	" "
9.04	26.00	24.89	5.00	7.07	6.00	5.49	9.51	44.00	" "
9.79	20.00	20.01	5.00	5.57	6.00	5.87	----	----	
8.84	20.00	20.14	4.50	5.34	9.00	7.24	9.26	49.18	" "
8.19	18.00	19.66	4.00	4.81	7.00	7.18	7.85	52.31	" "
6.57	50.00	49.94	10.00	10.56	2.00	1.90	28.95	2.08	A.
5.68	50.00	48.97	10.00	9.74	2.00	1.73	32.25	1.63	A.
5.36	50.00	45.81	10.00	9.93	2.00	2.38	34.25	2.27	A.
6.66	50.00	47.26	10.00	10.84	2.00	1.82	34.15	----	A.
7.54	58.00	58.80	7.00	8.21	1.00	.64	19.03	5.78	As declared on sack.
8.19	58.00	60.02	7.00	8.67	1.00	.37	18.25	4.50	" "
8.56	32.00	32.56	4.00	5.86	9.00	8.59	8.75	35.68	" "
9.47	26.00	29.31	4.00	5.02	9.00	8.01	8.45	39.74	" "
9.74	20.00	22.82	3.50	4.37	9.00	8.35	6.25	48.47	" "
8.65	20.00	21.24	5.00	4.69	12.00	9.85	5.95	49.62	" "
8.96	19.00	19.39	5.00	5.61	6.50	5.22	9.00	51.82	" "
9.00	16.00	16.23	4.00	4.22	6.00	5.56	8.50	56.49	" "
9.51	18.00	19.66	4.00	5.55	5.00	4.05	7.50	53.73	" "
8.46	18.00	20.88	4.00	5.67	5.00	3.67	8.50	52.82	" "
12.24	8.50	9.65	2.50	2.99	4.00	2.86	1.65	70.61	" "
8.95	22.00	22.90	5.00	5.76	5.00	4.22	10.95	47.22	" "

A—Should be designated as Meat and Bone Scrap.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
C. W. Burckhalter, Inc., New York, N. Y.	
Burck Brand Powdered Skim Milk	Pocomoke City
Burck Brand Powdered Skim Milk	Westminster
Calvary Roller Mill, Aberdeen, Md.	
*Pure Grain Dairy Ration	Aberdeen
Calvary Laying Mash	Aberdeen
Pure Wheat Bran	Aberdeen
Cambridge Manufacturing Co., Cambridge, Md.	
New-Vim Molasses Dairy Feed	Cambridge
New-Vim Molasses Dairy Feed	Cambridge
New-Vim Molasses Dairy Feed	Cambridge
New-Vim Molasses Dairy Feed	Cambridge
*Moore's Laying Mash	Cambridge
New-Vim Super Laying Mash	Cambridge
New-Vim Growing Mash	Cambridge
New-Vim Special Growing Mash	Cambridge
Broiler Mash	Cambridge
New-Vim Hog Feed	Cambridge
Pure Wheat Bran	Cambridge
*Pure Wheat Middlings	Cambridge
Super Chick Starter	Cambridge
New-Vim Fine Chick Scratch	Cambridge
New-Vim Scratch Feed	Cambridge
*New-Vim Scratch Feed Medium	Cambridge
New-Vim Turkey Starter	Cambridge
Cannon Valley Milling Co., Minneapolis, Minn.	
Cannon Valley Wheat Standard Middlings, with G.S.N.Ex.M.R.	Cumberland
Cannon Feed	Cumberland
A. B. Caple Co., Toledo, Ohio	
Alfalfa Leaf Meal	Ellicott City
Alfalfa Meal	Washington Grove
Alfalfa Meal	Ellicott City
Edmund L. Carr, Manchester, Md.	
Maple Grove Laying Mash	Manchester
Maple Grove Starting and Growing Mash	Maple Grove
J. C. Carr, Vale, Md.	
Pure Wheat Bran	Vale
Pure Wheat Middlings	Vale
Pure Corn Chop	Vale
*Pure Corn Bran	Vale
Cardiff Milling Co., Cardiff, Md.	
Daisy Laying Mash	Cardiff
Carter and Yates Milling Co., Centreville, Md.	
Red Star Laying Mash	Centreville
*Red Star Pig and Hog Feed	Centreville

*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
----	32.00	31.94	.75	x1.32	----	----	8.97	----	As declared on sack.
----	32.00	32.03	.75	x1.89	----	----	8.49	----	" "
9.55	20.00	17.64	4.50	4.54	10.00	8.96	4.15	55.16	" "
8.37	18.00	20.01	5.00	4.83	7.00	6.49	11.90	48.40	A.
8.29	13.00	13.34	3.50	3.37	10.00	7.92	4.90	62.18	As declared on sack.
9.09	32.00	31.58	4.50	4.83	9.00	8.10	8.55	37.85	" "
9.50	24.00	24.43	4.00	4.31	9.50	9.36	8.24	44.16	" "
10.32	20.00	21.73	4.00	4.22	10.00	8.06	8.00	47.67	" "
9.77	16.00	20.29	3.00	3.92	12.00	9.07	7.35	49.60	" "
8.35	20.00	18.69	5.00	5.60	5.00	4.04	12.70	50.62	" "
9.00	20.00	20.53	5.00	5.44	7.00	6.73	11.90	46.40	" "
8.99	15.00	15.27	4.00	4.05	6.00	6.01	9.90	55.78	" "
9.17	16.00	16.23	4.00	4.59	6.00	4.25	9.35	56.41	" "
9.88	17.00	16.15	4.00	5.94	5.00	3.99	8.80	55.24	" "
11.07	16.00	17.09	4.50	4.87	9.00	7.78	3.66	55.53	" "
8.54	14.00	13.95	4.00	4.14	10.00	10.87	8.25	54.25	" "
10.37	14.50	13.95	4.00	3.32	5.00	7.37	3.30	61.69	" "
10.22	14.00	14.57	4.00	4.30	5.50	4.29	7.75	58.87	" "
10.24	9.00	10.62	2.50	4.44	3.00	1.78	1.80	71.12	" "
10.47	9.00	9.04	3.00	2.57	10.00	2.78	1.75	73.39	" "
10.50	9.00	9.04	2.50	1.83	4.00	2.14	1.45	75.04	" "
9.34	20.00	21.24	4.00	4.67	5.00	3.96	11.70	49.09	" "
10.15	16.00	19.74	4.50	5.13	9.50	6.53	4.80	53.65	" "
10.03	17.00	20.62	3.00	3.06	6.00	2.50	3.10	60.69	" "
7.18	20.00	20.80	2.50	2.56	18.00	15.97	11.15	42.34	" "
8.79	13.00	13.69	1.00	1.24	33.00	33.32	7.60	35.36	" "
7.21	13.00	14.13	1.00	1.64	33.00	34.65	7.35	35.02	" "
8.47	20.00	21.41	4.00	4.28	6.50	6.61	11.10	48.13	" "
6.86	17.50	19.48	4.50	4.42	5.25	6.91	9.50	52.83	" "
9.90	14.00	13.34	3.50	3.81	5.00	8.57	5.65	58.73	" "
10.65	14.00	14.04	3.50	3.89	5.00	3.35	3.25	64.82	" "
11.40	9.00	8.60	4.00	3.51	5.00	2.19	1.10	73.20	" "
8.95	6.00	8.42	4.00	1.92	12.00	12.48	1.50	66.73	" "
8.03	20.00	23.17	4.00	5.64	6.50	8.34	12.90	41.92	B.
8.65	20.00	20.62	4.00	5.12	8.00	6.27	8.26	51.08	As declared on sack.
7.99	18.00	15.80	3.50	4.99	7.00	5.61	5.08	60.53	" "

A—Also detected Charcoal.
B—Charcoal detected, but not declared on sack.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Carter and Yates Milling Ko., Centerville, Md. (Continued)	
Red Star Starter and Grower Mash	Centreville
Red Star Chick Starter and Grower	Centreville
Red Star Starter and Grower	Centreville
‡Red Star Turkey Mash	Centreville
Cecil County Milling Co., Rising Sun, Md.	
Rising Sun Brand 16% Dairy Feed	Rising Sun
Rising Sun Brand Laying Mash, with DBM	Rising Sun
Rising Sun Brand All Mash Grower	Rising Sun
Central Feed Co., Baltimore, Md.	
Booths Pigeon Feed	Baltimore
Breeding Pigeon Feed	Baltimore
Central Purchasing Bureau State of Md., Baltimore, Md.	
C.P.B. Dairy Feed	Cambridge
C.P.B. Dairy Feed	Catonsville
C.P.B. Dairy Feed	Sykesville
C.P.B. Dairy Feed	Waterbury
C.P.B. Dairy Feed	Waterbury
C.P.B. Dairy Feed	Jessups
C.P.B. Dairy Feed	Owings Mills
C.P.B. Dairy Feed	Catonsville
C.P.B. Dairy Feed	Sykesville
C.P.B. Dairy Feed	Sykesville
C.P.B. Dairy Feed	Jessups
C.P.B. Dairy Feed	Owings Mills
C.P.B. Dry Cow Feed	Sykesville
C.P.B. Laying Mash	Sykesville
C.P.B. Laying Mash	Breathedsville
C.P.B. Laying Mash	Waterbury
C.P.B. Laying Mash	Sykesville
C.P.B. Laying Mash	Waterbury
C.P.B. Laying Mash	Loch Raven
C.P.B. Laying Mash	Breathedsville
C.P.B. Growing Mash	Breathedsville
C.P.B. Growing Mash	Waterbury
C.P.B. Growing Mash	Loch Raven
C.P.B. Growing Mash	Breathedsville
C.P.B. Horse Feed	Catonsville
C.P.B. Horse Feed	Waterbury
C.P.B. Horse Feed	Waterbury
C.P.B. Calf Meal	Loch Raven
C.P.B. Starting Mash	Loch Raven
C.P.B. Starting Mash	Waterbury
C.P.B. Starting Mash	Breathedsville
Baby Chick Starting Mash	Frederick
Chick Grains	Frederick
Scratch Feed	Frederick
Scratch Feed For Large Hens	Frederick
C.P.B. Scratch Feed For Large Hens	Waterbury

‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.92	17.00	16.08	4.00	3.71	7.00	4.55	5.16	60.58	As declared on sack.
9.69	17.00	16.97	4.00	4.14	5.00	5.06	6.00	58.14	" "
8.65	16.00	15.62	4.00	3.81	5.00	4.02	5.46	62.44	" "
9.01	18.00	18.25	4.00	4.94	10.00	8.09	8.32	51.39	" "
10.63	16.00	17.27	3.50	3.26	12.00	11.40	7.74	49.70	" "
7.61	20.00	21.24	4.50	4.46	5.00	5.69	10.90	50.10	" "
9.11	16.00	17.02	4.00	4.73	6.00	4.55	7.96	56.63	" "
8.95	14.00	17.72	4.50	6.08	5.00	5.27	2.40	59.58	" "
10.04	11.00	13.86	4.00	4.19	4.50	4.17	2.10	65.64	" "
9.68	32.00	31.96	5.00	5.02	9.00	7.98	----	----	" "
11.55	20.00	19.99	4.00	3.93	11.00	10.65	----	----	" "
10.50	20.00	22.02	4.00	4.01	11.00	8.99	----	----	" "
10.42	20.00	21.19	4.00	4.13	11.00	9.82	----	----	" "
10.85	20.00	20.08	4.00	4.24	11.00	9.30	----	----	" "
10.63	20.00	20.26	4.00	5.55	11.00	8.72	----	----	" "
10.65	20.00	22.36	4.00	4.24	11.00	8.27	----	----	" "
11.75	20.00	21.94	4.00	4.18	11.00	8.80	----	----	" "
10.66	20.00	21.47	4.00	4.36	11.00	9.38	----	----	" "
10.40	12.00	14.00	3.00	3.23	7.00	7.74	----	----	" "
10.25	12.00	14.18	3.00	4.05	7.00	7.82	----	----	" "
10.40	12.00	14.21	3.00	4.06	7.00	7.93	----	----	" "
8.72	12.00	15.06	3.00	3.86	7.00	6.61	----	----	" "
----	18.00	19.31	4.50	5.28	6.00	4.55	----	----	" "
----	18.00	18.60	4.50	5.12	6.00	5.53	----	----	" "
----	18.00	19.27	4.50	6.34	6.00	5.55	----	----	A.
----	18.00	19.83	4.50	5.87	6.00	4.67	----	----	As declared on sack.
9.85	18.00	17.99	4.50	6.35	6.00	4.88	----	----	" "
----	18.00	19.92	4.50	6.01	6.00	4.41	----	----	" "
----	18.00	18.43	4.50	6.04	6.00	5.62	----	----	" "
----	16.00	17.64	4.00	5.69	6.00	5.98	----	----	" "
----	16.00	17.02	4.00	5.44	6.00	6.06	----	----	" "
----	16.00	17.20	4.00	5.36	6.00	6.03	----	----	" "
----	16.00	16.76	4.00	5.47	6.00	6.07	----	----	" "
10.95	9.00	10.04	3.50	3.55	8.00	8.02	----	----	" "
10.65	9.00	10.49	3.50	3.62	8.00	8.77	----	----	" "
9.82	9.00	11.36	3.50	3.52	8.00	8.00	----	----	" "
----	23.00	22.90	4.00	3.96	5.00	3.77	----	----	" "
----	18.00	18.60	4.00	5.89	6.00	4.51	----	----	" "
----	18.00	18.78	4.00	5.87	6.00	4.46	----	----	" "
----	18.00	19.74	4.00	6.53	6.00	5.56	----	----	" "
----	16.00	17.90	4.50	5.67	4.00	4.27	----	----	" "
----	10.00	11.06	3.00	3.64	2.50	1.77	----	----	" "
----	10.00	10.69	2.50	3.25	4.00	2.42	----	----	" "
----	9.00	10.00	2.50	3.61	5.00	3.98	----	----	" "
9.84	9.00	10.62	2.50	3.67	5.00	4.24	----	----	" "

A—Detected-Bran, Middlings, Corn, Oat Meal, Meat, Fish, Dried Skimmed Milk, Bone, Salt, Calcium Carbonate, Linseed Meal, Contains Alfalfa Meal and not Alfalfa Leaf Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Central Soya Co., Inc., Decatur, Ind.	
Central 41% Protein Soy Bean Oilmeal	Derwood
Chestnut-Farms-Chevy Chase Dairy, Washington, D. C.	
Skim Milk Powder	Gaithersburg
Skim Milk Powder	Derwood
Chewsville Cooperative Association Inc., Chewsville, Md.	
*Thrivont 32% Mixing Ration	Chewsville
Thrivont Milk Maker	Chewsville
Chewsville Maryland Laying Mash	Chewsville
Thrivont Laying Mash	Chewsville
Thrivont Growing Feed	Chewsville
Thrivont Broiler Ration	Chewsville
Thrivont Stock Feed	Chewsville
*Thrivont Pig and Hog Feed	Chewsville
Thrivont Chick Starter	Chewsville
Edna M. Clipp, Sharpsburg, Md.	
Clipp's Egg Mash	Sharpsburg
Herbert K. Clofine, Philadelphia, Pa.	
‡Supreme Brand Dried Buttermilk	Denton
‡Supreme Brand Dried Skim Milk	Denton
J. Henry Clusman and Co., Baltimore, Md.	
Reliance Egg Mash D.V. Base	Baltimore
‡Reliance Laying Mash, with Cod Liver Oil	Baltimore
‡Reliance Laying Mash	Baltimore
King Best Horse Feed	Baltimore
King Best Horse Feed	Baltimore
Fairfield Horse Feed	Baltimore
*Reliance Scratch Feed	Baltimore
Cohn and Bock Co., Princess Anne, Md.	
C & B Laying Mash, with 4% Dried Milk	Princess Anne
C & B Growing Mash, with 4% Dried Milk	Princess Anne
‡C & B Broiler Ration	Princess Anne
C & B Pig and Hog Meal	Princess Anne
Pure Wheat Bran	Princess Anne
Pure Wheat Middlings	Princess Anne
C & B Chick Starter, with 5% Dried Milk and Cod Liver Oil	Princess Anne
Colby Milling Co., Dowagiac, Mich.	
‡Colby's Middlings	Frederick
Collis Products Co., St. Paul, Minn.	
Collis Process Dried Buttermilk	St. Michaels
Commander-Larabee Corp., Minneapolis, Minn.	
Sunfed Wheat Standard Middlings, with Ground Screenings N.Ex.M.R.	Baltimore

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.18	41.00	40.89	4.50	5.80	7.00	5.82	6.10	32.21	As declared on sack.
----	32.00	34.84	.75	x.97	----	----	7.77	----	" "
----	32.00	36.07	.75	x1.54	----	----	7.78	----	" "
8.49	32.00	30.27	4.50	4.70	9.00	10.75	11.80	33.99	" "
8.18	23.00	25.80	5.00	4.77	7.00	9.55	11.20	40.40	A.
9.49	19.00	19.92	5.00	5.52	8.00	5.17	10.45	49.45	As declared on sack.
8.65	19.00	19.57	5.00	6.17	8.00	6.16	11.15	48.30	B.
10.66	16.00	17.20	4.00	4.89	6.00	4.86	7.75	54.64	As declared on sack.
8.50	18.00	17.38	4.00	5.31	8.00	5.04	6.60	57.17	" "
9.31	10.00	12.63	3.00	3.32	9.00	7.59	7.84	59.31	" "
8.46	15.00	18.78	5.00	4.48	8.00	5.43	7.50	55.35	A.
8.54	14.00	17.18	4.00	5.69	3.50	4.77	7.55	56.27	C.
9.46	20.00	20.53	4.50	4.41	6.00	6.74	6.55	52.31	As declared on sack.
----	32.00	31.59	5.00	x7.28	----	----	9.50	----	" "
----	32.00	32.99	.25	x.95	----	----	8.02	----	" "
8.01	20.00	19.79	4.50	5.71	7.00	6.81	9.69	49.99	" "
8.24	20.00	20.62	4.50	4.80	7.00	7.55	8.70	50.09	" "
7.99	20.00	20.45	4.50	4.77	7.00	7.24	7.70	51.85	" "
11.48	9.00	11.25	2.50	2.86	10.00	7.38	4.04	62.99	D.
11.76	9.00	10.89	2.50	3.52	10.00	7.36	3.37	63.10	D.
11.35	9.00	10.17	2.50	2.81	10.00	7.25	4.59	63.84	E.
11.02	9.00	9.13	3.00	2.40	5.00	2.66	1.51	73.28	As declared on sack.
8.95	20.00	21.50	4.50	4.78	6.00	5.12	9.30	50.35	" "
9.92	16.00	16.58	4.50	4.03	6.00	5.70	7.80	55.97	" "
6.90	18.00	20.01	3.50	5.13	6.00	5.89	8.30	53.77	" "
9.04	16.00	16.15	4.00	4.00	5.00	6.03	6.70	58.08	" "
10.04	13.00	13.60	3.50	3.84	10.00	9.56	7.20	55.76	" "
10.54	14.00	14.39	3.50	3.96	6.00	5.90	4.30	60.91	" "
7.99	18.00	19.31	5.00	4.95	5.20	3.51	8.80	55.44	" "
9.85	13.00	14.13	3.00	4.24	4.50	4.57	3.50	63.71	" "
----	30.00	30.89	5.00	x5.77	----	----	9.73	----	" "
9.70	14.50	18.25	4.00	4.84	9.50	7.74	5.15	54.32	F. " "

A—Ingredients on sack differ from license.
C—Also detected Alfalfa.
B—Ingredients on sack differ from license. Also detected Molasses.
D—Protein; Fat and Fibre guarantee and Ingredients on sack differ from license.
E—Fat guarantee and Ingredients on sack differ from license.
F—Protein guarantee on sack differs from license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Commercial Milling Co., Detroit, Mich.	
‡Henkel's Extra Fancy Flour Wheat Middlings, with Ground Grain Screenings	Washington Grove
G. E. Conkey Co., Cleveland, Ohio	
Conkey's Y-O (Brand) 32% Supplement Mash	Hagerstown
Conkey's Dairy Feed 32% Protein	Hagerstown
Conkey's Y-O (Brand) Egg Mash	Hagerstown
Conkey's Y-O (Brand) Growing Mash	Hagerstown
Conkey's Y-O (Brand) Broiler Mash	Hagerstown
Conkey's Geccofat Station Fattener, with BM	Hagerstown
Conkey's Y-O Starting Feed	Hagerstown
Conkey's Gecco Chick Grains	Hagerstown
Superior Scratch Grains	Baltimore
Consolidated By-Product Co., Philadelphia, Pa.	
*Consolidated Fish Meal	Berlin
Consumers Import Co., Inc., New York, N. Y.	
Cico Fish Meal	Medford
Cico Fish Meal	Hagerstown
*Cico Fish Meal	Baltimore
*‡Cico Steamed Bone Meal	Keymar
Continental Distilling Corp., Philadelphia, Pa.	
‡Corn and Rye Distillers Dried Grains	Rising Sun
Continental Milling and Feed Co., Ellicott City, Md.	
Polka Dot Dairy Feed 24%	Ellicott City
Maryland Maide 24% Dairy Feed	Ellicott City
Patapsco Dairy Feed	Ellicott City
*Pre-ferd Dairy Feed 16%	Ellicott City
Continental Laying Mash	Ellicott City
Polka Dot Laying Mash	Ellicott City
Polka Dot All Mash Laying Ration	Ellicott City
Polka Dot Growing Mash	Ellicott City
Polka Dot All Mash Broiler Ration	Ellicott City
Polka Dot Developer Grains	Ellicott City
Continental Horse Feed	Ellicott City
‡Pre-ferd Horse Feed 65% Grain	Raspeburg
Polka Dot Horse Feed	Ellicott City
Polka Dot Pig Meal	Ellicott City
*Red Dog Flour	Ellicott City
*Polka Dot Starting Mash	Ellicott City
Polka Dot Chick Grains	Ellicott City
Polka Dot Scratch Grains	Ellicott City
Pre-ferd Scratch Grains	Ellicott City
Cordova Milling Co., Cordova, Md.	
Pure Wheat Bran	Cordova
Pure Wheat Middlings	Cordova
Corn Products Refining Co., New York, N. Y.	
Buffalo Corn Gluten Feed	Frederick

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.88	12.00	13.43	2.50	3.64	4.00	1.61	3.35	68.09	As declared on sack.
8.69	32.00	32.47	5.00	7.20	7.00	6.47	16.90	28.27	" "
9.89	32.00	32.23	4.00	3.63	10.00	6.81	8.92	38.52	" "
8.26	20.00	20.80	4.00	6.16	7.00	6.13	10.15	48.50	" "
8.51	18.00	19.39	5.00	6.26	7.00	5.39	7.55	52.90	" "
8.04	19.00	20.36	4.00	6.59	7.00	5.08	8.30	51.63	" "
9.22	14.50	16.23	4.50	5.82	5.00	4.93	5.10	58.70	" "
8.46	16.00	17.90	4.50	6.02	5.00	4.54	7.25	55.83	" "
10.66	10.00	11.14	2.00	3.16	2.50	1.71	1.70	71.63	" "
11.54	9.00	10.00	2.00	2.68	3.50	2.82	1.70	71.26	" "
6.41	55.00	62.31	8.00	5.83	2.00	1.01	17.48	6.96	" "
7.15	58.00	57.13	1.00	7.65	1.00	.69	19.13	8.25	" "
7.35	58.00	58.97	1.00	7.15	1.00	.51	17.65	8.37	" "
8.09	58.00	55.86	1.00	7.01	1.00	.68	19.75	8.61	" "
6.01	5.14	6.41	1.00	.32	1.00	.46	86.63	.17	" "
6.16	23.00	27.38	7.00	6.86	15.00	15.43	2.13	42.04	" "
8.93	24.00	24.48	4.00	4.15	10.00	9.41	7.45	45.58	" "
10.16	24.00	24.38	4.50	4.39	9.00	9.06	7.06	44.95	" "
11.68	16.00	18.06	4.00	3.72	12.50	9.88	6.98	49.68	" "
9.17	16.00	16.32	4.00	3.23	12.00	15.83	8.70	46.75	A.
9.68	20.00	20.09	5.00	5.32	6.00	6.49	10.00	48.42	As declared on sack.
10.20	20.00	21.15	5.00	4.69	6.00	6.31	12.09	45.56	" "
10.22	15.75	16.50	3.75	4.62	7.00	5.93	9.70	53.03	" "
9.46	16.00	16.67	5.00	4.97	7.00	6.16	10.20	52.54	A.
9.95	16.00	17.02	5.00	4.96	5.00	5.23	7.95	54.89	As declared on sack.
11.85	10.00	10.09	2.50	3.25	5.00	2.76	1.80	70.25	" "
11.07	7.00	6.39	2.50	2.47	13.00	15.41	6.14	58.52	" "
11.33	8.00	8.53	2.00	2.20	14.00	12.21	5.13	60.60	B. " "
11.36	8.00	8.86	2.00	3.61	14.00	5.86	3.71	66.60	" "
9.65	18.00	18.87	4.00	4.44	7.00	6.71	9.65	50.68	" "
9.90	16.00	14.39	4.00	3.73	3.00	3.75	2.55	65.68	" "
8.20	15.00	16.23	5.00	4.46	5.00	4.00	7.15	59.96	" "
8.96	10.00	10.00	2.50	4.17	5.00	1.32	1.70	73.85	" "
11.94	10.00	10.00	2.50	2.84	5.00	2.76	1.60	70.86	" "
11.77	10.00	9.56	2.50	3.71	5.00	2.68	1.65	70.63	C.
9.50	13.00	12.99	3.00	4.41	9.00	9.11	6.45	57.54	As declared on sack.
11.05	13.00	12.72	3.00	3.19	6.00	2.11	2.35	68.58	" "
8.89	25.00	25.27	2.00	1.95	8.50	8.03	7.35	48.51	" "

A—Ingredients on sack differ from license.
B—Protein guarantee on sack differs from license.
C—Unable to detect Sunflower Seed.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Damascus Milling Co., Damascus, Md.	
*Kings Special Hog Feed	Damascus
*Pure Wheat Bran	Damascus
†Pure Wheat Middlings	Damascus
Davis Milling Co., Inc., Norfolk, Va.	
Soy Bean Oil	Baltimore
Dawe's Products Co., Denver, Col.	
Vitamelk Base	Centreville
Del-Mar-Va Milling Co., Inc., Snow Hill, Md.	
Staggs Milkalene Dairy Feed	Snow Hill
Staggs Egg Producer	Snow Hill
*Staggs Egg Producer	Snow Hill
Staggs Yellow Leg Broiler Ration	Snow Hill
Staggs Yellow Leg Broiler Ration	Snow Hill
Staggs Complete Starting Ration	Snow Hill
Silver Seal Pure Wheat Bran	Snow Hill
Silver Seal Wheat Middlings	Snow Hill
Delaware Mills, Inc., Deposit, N. Y.	
Indian Sweet 24% Dairy Feed	Centreville
*Indian Sweet 20% Dairy Feed	Centreville
Delco Laying Mash	Chestertown
Delaware Growing Mash	Chestertown
Delaware 85% Horse Feed	Chestertown
Delaware Pig and Hog Feed	Ingleside
Delaware Chick Starting Mash	Ingleside
Delaware Chick Grains	Centreville
Delaware Turkey Growing Mash	Ingleside
Denver Alfalfa Milling and Products Co., Lamar, Col.	
Alfalfa Leaf Meal	Frederick
Alfalfa Meal	Chewsville
Derwood Mill, Derwood, Md.	
Derwood 32% Dairy Feed	Derwood
Derwood 26% Dairy Feed	Derwood
Derwood 20% Dairy Feed	Derwood
Derwood 16% Dairy Feed	Derwood
Derwood Laying Mash	Derwood
*Pure Wheat Middlings	Derwood
Derwood Scratch Feed	Derwood
Derwood Turkey Mash	Derwood
Devilbiss Bros., New Windsor, Md.	
A No. 1 Laying Mash	New Windsor
Dewey Bros. Co., Blanchester, Ohio	
*Corn 3 D (Dewey's Distillers Dried) Grains	Hagerstown
Rye Distillers Dried Grains	Gaithersburg

*Deficient in protein or fat.
†Deficient in both protein and fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.83	17.00	17.90	5.00	4.31	9.00	8.48	4.95	56.53	A. As decl'd on sack.
8.64	14.00	14.00	4.50	3.84	9.00	9.87	6.50	57.15	" "
10.57	15.00	12.29	4.50	3.25	8.00	2.90	2.20	68.79	" "
7.12	45.00	48.00	4.00	5.63	7.00	5.48	5.70	28.07	" "
7.19	44.00	45.81	4.50	6.14	4.00	2.14	10.80	27.92	" "
9.01	20.00	21.09	4.00	4.32	10.00	7.37	8.24	49.97	B.
8.50	20.00	20.01	4.50	5.07	7.00	5.71	10.55	50.16	As declared on sack.
8.66	20.00	18.95	4.50	4.68	7.00	5.25	10.20	52.26	" "
7.45	18.00	18.60	4.00	4.91	6.00	5.08	6.05	47.91	" "
8.04	18.00	17.20	4.00	4.51	6.00	5.02	7.50	57.73	" "
8.95	16.00	18.60	3.00	5.18	5.00	4.73	8.90	53.64	" "
9.49	14.00	13.95	3.50	4.45	9.00	10.12	6.45	55.54	" "
10.12	13.00	13.86	3.50	4.09	6.00	2.91	2.66	66.36	" "
10.24	24.00	24.16	4.00	3.51	12.00	11.91	5.04	45.14	" "
10.17	20.00	21.56	4.00	3.08	12.00	13.25	8.36	43.58	" "
9.21	17.00	18.51	4.00	4.25	9.00	10.17	9.11	48.75	" "
9.86	17.00	18.60	5.00	5.39	6.50	5.84	10.00	50.31	" "
8.00	9.00	11.03	3.00	2.82	9.00	8.20	3.59	66.36	" "
10.02	16.00	18.78	4.00	4.92	8.00	6.91	6.26	53.11	" "
9.99	17.00	16.85	5.00	4.68	6.00	4.93	7.58	55.97	" "
11.19	10.00	11.58	3.00	3.29	3.00	2.08	1.70	70.16	" "
9.99	20.00	19.26	4.00	3.99	7.00	5.92	8.00	52.84	" "
6.57	20.00	20.97	2.50	2.56	18.00	16.15	13.52	40.23	" "
9.60	13.00	15.01	1.00	1.46	33.00	29.06	7.79	37.08	" "
10.17	32.00	32.24	4.00	4.36	9.00	7.97	9.24	36.02	" "
10.45	26.00	26.27	4.00	4.42	10.00	9.47	7.85	41.54	" "
10.47	20.00	20.14	4.00	4.61	12.00	11.77	6.92	46.09	" "
10.91	16.00	17.15	4.00	4.14	12.00	12.04	6.62	49.14	" "
10.16	20.00	21.41	4.00	5.95	8.00	6.82	8.80	46.86	" "
10.46	15.00	12.81	4.00	4.06	5.00	5.01	3.95	63.71	" "
9.48	10.00	10.09	2.50	2.78	4.00	2.28	1.62	73.75	" "
8.24	21.00	21.41	4.00	5.73	7.00	10.06	13.10	41.46	" "
7.64	20.00	21.94	4.00	4.70	8.00	8.25	7.80	49.67	" "
5.64	28.00	27.91	8.00	6.31	14.00	13.22	2.60	44.32	" "
5.74	16.00	15.09	5.00	5.21	18.00	18.11	1.95	53.90	" "

A—Fat guarantee on sack differs from license.
B—Unable to detect Beet Pulp.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Dickey Brothers, Washington, D. C.	
Capitol Dairy Feed	Hyattsville
Capitol Laying Mash	Hyattsville
Capitol Growing Mash	Hyattsville
Capitol Chick Grains	Hyattsville
Benning Scratch Feed	Hyattsville
Capitol Scratch Grains	Hyattsville
Albert Dickinson Co., Chicago, Ill.	
‡Dickinson's Globe Milk Producer 24%	Baltimore
‡Dickinson's Globe Milk Producer 20%	Baltimore
‡Dickinson's Globe Egg Producer	Baltimore
‡Dickinson's Globe Poultry Scratch	Baltimore
‡Rival Poultry Scratch	Baltimore
Dietrich and Gambrill, Inc., Frederick, Md.	
Gambrill's High Protein Dairy Feed	Baltimore
Gambrill's High Protein Dairy Feed	Sykesville
Frederick Dairy Feed	Baltimore
Frederick Dairy Feed	Laurel
Gambrill's A. I. Dairy Feed	Baltimore
Gambrill's A. I. Dairy Feed	Sykesville
D. & G. Dairy Feed	Baltimore
Gambrill's 16% Dairy Feed	Baltimore
‡Canton Laying Mash	Medford
Frederick Laying Mash	Berwyn
Gambrill's Laying Mash	Laurel
Gambrill's Growing Mash	Laurel
‡D. & G. Poultry Mash Mixing Supplement	Hagerstown
All Purpose Complete Ration Starter-Grower-Layer	Laurel
D. & G. Poultry Conditioning Ration	Baltimore
D. & G. Poultry Conditioning Ration	Sykesville
Frederick Horse Feed	Baltimore
Gambrill's Hog Meal	Hancock
Gambrill's Hog Meal	Hagerstown
All Mash Starter and Grower	Hancock
All Mash Starter and Grower	Ellicott City
Corn Feed Meal	Baltimore
Frederick Chick Grains	Baltimore
Gambrill's Chick Starter	Ellicott City
Canton Scratch Feed	Baltimore
Gambrill's Scratch Feed	Laurel
Gambrill's Pigeon Feed	Baltimore
D. & G. Turkey Growing Mash	Hagerstown
T. M. Dinsmore and Co., Inc., Baltimore, Md.	
‡Dinsco Oat Feed	Darlington
‡Dinsco Oat Feed	Darlington
William H. Dolbey, White Haven, Md.	
Dolbey's Hog Feed	White Haven
Pure Wheat Bran	White Haven
Pure Wheat Middlings	White Haven
Dolbey's Scratch Feed	White Haven

‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.68	20.00	21.41	4.00	5.19	11.00	7.06	6.70	49.96	As declared on sack.
10.37	20.00	19.66	5.00	5.32	7.00	7.01	8.81	48.83	" "
10.41	16.00	17.72	4.00	3.95	7.00	5.77	6.95	55.20	" "
11.37	10.00	10.62	3.00	4.38	3.00	1.92	2.00	69.71	" "
11.37	10.00	9.21	3.00	2.89	5.00	3.00	1.50	72.03	" "
9.36	10.00	9.83	2.50	3.61	4.00	3.46	1.70	72.04	" "
12.02	24.00	24.04	3.50	3.55	10.00	6.98	9.06	44.35	" "
11.25	20.00	20.48	3.25	3.20	10.00	8.03	9.63	47.41	" "
7.01	18.00	18.43	3.50	4.80	7.00	7.07	9.80	52.89	" "
9.14	10.00	10.71	2.50	2.72	3.75	2.98	1.65	72.80	" "
9.31	10.00	11.14	2.50	2.82	5.00	3.00	1.80	71.93	" "
9.70	32.00	32.06	5.00	4.99	9.00	8.36	6.69	38.20	" "
9.00	32.00	33.68	5.00	5.08	9.00	9.46	7.09	35.69	" "
8.50	24.00	26.23	4.00	5.06	12.00	12.14	6.94	41.13	" "
10.96	24.00	24.16	4.00	4.27	12.00	11.95	6.39	42.27	" "
9.38	24.00	26.04	4.60	4.59	9.00	8.13	6.44	45.42	" "
10.42	24.00	27.00	4.60	4.79	9.00	9.13	6.30	42.36	" "
9.92	20.00	21.45	4.00	4.24	12.00	10.80	7.32	46.27	A.
8.35	16.00	17.11	3.50	3.46	12.00	14.66	6.53	49.89	As declared on sack.
9.08	20.00	20.53	4.00	4.97	8.00	6.60	7.82	51.00	" "
10.50	18.00	20.18	4.00	5.42	8.00	6.73	6.30	50.87	" "
8.60	20.00	20.97	5.00	5.56	7.00	6.08	5.82	52.97	" "
8.96	18.00	19.74	4.00	5.60	7.00	4.83	7.20	53.67	" "
8.38	37.00	36.96	4.00	5.75	7.00	4.78	20.57	23.56	" "
8.66	15.00	17.90	4.50	5.59	6.00	4.96	7.23	55.66	" "
7.01	15.00	18.16	6.00	7.19	6.00	3.89	8.58	55.17	" "
9.13	15.00	17.55	6.00	8.37	6.00	4.19	9.10	51.66	" "
10.92	7.00	8.46	2.00	3.19	12.00	9.39	3.78	64.26	" "
10.20	18.00	19.73	4.00	4.16	8.00	7.24	3.07	55.60	" "
9.89	18.00	18.70	4.00	4.41	8.00	5.17	6.45	55.38	B.
9.76	14.00	16.06	4.00	4.60	4.00	3.99	6.28	59.31	As declared on sack.
8.82	14.00	18.60	4.00	5.44	4.00	4.39	7.38	55.37	" "
10.54	8.00	8.42	3.00	5.69	5.00	3.55	2.12	69.68	" "
10.68	10.00	10.18	2.50	2.91	3.00	1.61	1.50	73.12	" "
8.39	16.00	18.95	4.00	5.32	4.50	4.95	6.90	55.49	" "
10.45	10.00	10.53	2.50	2.83	4.00	2.41	1.54	72.24	" "
10.15	10.00	10.79	2.50	3.52	4.00	2.46	1.50	71.58	" "
10.14	13.00	15.88	3.00	3.40	4.00	3.92	2.15	64.51	" "
9.51	20.00	22.29	4.00	5.56	8.00	5.87	10.65	46.12	" "
6.30	5.00	6.14	1.50	1.58	30.00	30.89	5.80	49.29	" "
6.17	5.00	5.62	1.50	1.55	30.00	32.65	5.01	49.00	" "
9.80	18.00	18.60	4.00	4.28	6.00	4.33	9.85	53.14	" "
9.12	13.00	13.86	3.50	3.76	10.00	8.06	6.15	59.05	" "
12.58	13.00	12.29	3.50	3.12	8.00	2.98	3.20	65.83	" "
10.81	9.00	9.04	2.50	2.67	5.00	3.18	2.05	72.25	" "

A—Ingredients on sack differ from license.
B—Also detected Ground Barley.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Doughnut Corporation of America, Ellicott City, Md.	
Domaco Pure Winter Wheat Bran	Ellicott City
Domaco Wheat Mill Feed	Ellicott City
Dried Grains, Corp., Baltimore, Md.	
*‡Gra-Co Stock Feed	Lineboro
Dryden Milling Co., Pocomoke City, Md.	
‡Dryden's Broiler Mash	Pocomoke City
Dryden's Starting Feed	Pocomoke City
Dryden's All Mash	Pocomoke City
Corn Meal	Pocomoke City
Dryden's Turkey Starter	Pocomoke City
Duluth-Superior Milling Division of Standard Milling Co., Minneapolis, Minn.	
Durum Wheat Bran, with Ground Screenings N.Ex.M.R.	Baltimore
Red Dog Wheat Flour	Baltimore
*Red Dog Wheat Flour	Cumberland
Ezl. Dunwoody Co., Philadelphia, Pa.	
Super X Sardine Fish Meal	Elkton
Eagle Mills, Pocomoke City, Md.	
R.C.D. Laying Mash	Pocomoke City
Old Virginia Broiler Ration	Pocomoke City
Pure Wheat Bran	Pocomoke City
Pure Wheat Middlings	Pocomoke City
Dryden's Chick Starter, with Cod Liver Oil	Pocomoke City
Turkey Trot Starter and Grower	Pocomoke City
Early and Daniel Co., Cincinnati, Ohio	
Cottonseed Meal	Oakland
‡Tuxedo Dairy 33%	Oakland
Tuxedo Dairy 33%	Cumberland
Tuxedo Dairy 24%	Frostburg
Tuxedo Dairy 20%	Cumberland
*Tuxedo Dairy 16%	Frostburg
Tuxedo Bulky Feed	Frostburg
Cincy Sweet Mix	Frostburg
Cincy Egg Mash	Cumberland
Tuxedo Egg Mash	Frostburg
Tuxedo Eggmaker Mash	Oakland
Tuxedo Growing and Developing Mash	Salisbury
Tuxedo Poultry Fattener	Oakland
‡Tuxedo Alfalfa and Molasses Feed	Salisbury
Tuxedo Pig Meal	Frostburg
*Corn Feed Meal	Grantsville
Tuxedo Broiler Mash	Salisbury
Tuxedo Starting and Growing All Mash	Salisbury
Cincy Chop	Salisbury
*Tuxedo Chick	Salisbury
Tuxedo Chick	Oakland
Cincy Scratch	Frostburg

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.64	14.50	17.72	4.00	5.24	9.50	9.00	5.55	52.85	As declared on sack.
10.29	14.00	15.36	3.50	4.82	8.50	8.17	4.25	57.11	" "
11.90	16.00	15.15	5.00	3.90	15.00	15.59	4.18	49.28	" "
8.40	17.50	17.46	4.00	5.58	6.00	5.17	9.40	53.99	" "
9.85	15.50	15.80	3.00	3.81	5.50	5.53	6.80	58.21	" "
8.94	18.00	17.20	3.75	5.21	5.00	4.23	8.28	56.14	" "
11.98	11.00	10.44	5.00	5.09	3.50	1.56	1.75	69.18	" "
8.28	26.00	26.76	4.75	5.54	6.25	6.01	11.86	41.55	" "
9.97	15.00	15.45	4.00	4.66	12.00	9.28	4.83	55.81	" "
11.11	15.00	18.25	3.00	3.00	3.00	1.88	2.44	63.32	" "
9.05	15.00	18.08	3.00	2.31	3.00	1.19	2.15	67.22	" "
6.45	60.00	61.34	9.00	11.29	1.50	.33	16.15	4.44	A. " "
8.69	20.00	21.67	5.00	5.10	8.00	6.49	8.20	49.85	" "
8.48	16.00	17.20	5.00	5.45	6.00	5.87	7.95	55.05	" "
7.75	13.00	14.04	4.40	4.11	9.00	7.68	5.75	60.67	" "
9.29	14.00	15.80	3.50	5.35	5.00	4.63	3.95	60.98	" "
8.18	16.00	17.64	4.50	5.26	6.00	5.35	6.55	57.02	B.
7.88	19.00	19.04	4.50	4.39	7.00	7.01	8.95	52.73	As declared on sack.
6.02	41.00	41.07	6.00	6.30	10.00	10.30	7.52	28.79	" "
8.45	33.00	33.51	4.00	4.55	8.50	8.24	10.93	34.32	" "
9.62	33.00	34.75	4.00	4.91	8.50	7.56	10.95	32.21	" "
9.27	24.00	23.96	4.00	4.46	9.00	8.82	9.70	43.79	" "
10.34	20.00	20.02	3.75	3.94	12.00	9.99	11.19	44.52	" "
8.42	16.00	16.06	3.75	3.23	12.50	12.33	11.38	48.58	" "
11.65	10.00	9.84	2.00	1.59	15.00	13.49	11.37	52.06	" "
9.92	9.00	11.23	3.00	3.42	11.00	6.73	9.30	59.40	" "
10.33	20.00	20.71	4.00	4.20	7.50	6.72	8.50	49.54	" "
10.20	18.00	17.99	4.00	4.88	7.00	7.14	7.40	52.39	" "
9.34	20.00	20.70	4.00	4.77	7.00	6.69	8.09	50.41	" "
10.54	17.00	18.13	3.50	4.56	6.00	6.08	6.24	54.45	" "
7.78	14.00	16.32	4.50	5.69	6.00	6.59	9.40	54.22	" "
10.54	11.00	15.42	1.00	1.51	27.00	27.34	11.01	34.18	" "
10.86	14.50	13.86	4.50	4.02	7.00	6.92	7.86	56.48	" "
9.85	10.00	10.00	6.00	4.52	5.00	4.89	2.63	68.11	" "
8.71	17.00	17.93	5.00	4.76	6.00	6.20	8.32	54.08	" "
9.14	17.50	17.34	3.50	5.11	5.00	5.11	5.90	57.57	" "
11.15	9.00	8.24	2.50	2.58	10.00	8.89	7.76	61.38	" "
10.91	10.00	10.00	2.50	1.62	3.50	1.96	1.67	73.84	" "
12.78	10.00	10.27	2.50	2.11	3.50	2.12	1.58	71.15	" "
10.04	9.00	10.18	2.50	2.68	5.00	2.48	1.60	73.02	" "

A—Fat guarantee on sack differs from license.
B—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Early and Daniel Co., Cincinnati, Ohio (Continued)	
Tuxedo 50-50 Scratch	Frostburg
Tuxedo Pigeon Feed	Salisbury
Tuxedo Turkey Starting Mash	Salisbury
East Coast Trading Co., Baltimore, Md.	
‡Oberco 55% Meat and Bone Scrap	Chewsville
Oberco 50% Meat and Bone Scrap	Taneytown
Oberco 50% Meat and Bone Scrap	Chewsville
Oberco 45% Meat and Bone Scrap	Hagerstown
Oberco 45% Meat and Bone Scrap	Linwood
East Coast Pure Fish Meal	Owings Mills
East Coast Pure Fish Meal	Derwood
Eastern Grain Growers, Hagerstown, Md.	
Magic Dairy Feed	Hagerstown
Magic Poultry Mash	Hagerstown
Magic Horse and Mule Feed	Hagerstown
Magic Hog Ration	Hagerstown
Magic Scratch Feed	Hagerstown
Eastern Service Corp., Cambridge, Md.	
"Esco" No. 1 Egg Mash	Cambridge
"Esco" Growing Mash	Cambridge
Eastern States Farmers Exchange, Springfield, Mass.	
Eastern States Egg Mash	Snow Hill
Eastern States Producer Mash-Pelleted	Snow Hill
Eastern States Producer Mash	Snow Hill
Eastern States Starting and Broiler Ration	Snow Hill
Easton Milling Co., Easton. Md.	
Talbot Dairy Supplement	Easton
Talbot Egg Mash	Easton
Pure Wheat Bran	Easton
Pure Wheat Middlings	Easton
Pure Corn Meal	Easton
Talbot Scratch Feed	Easton
B. A. Eckhart Milling Co., Chicago, Ill.	
Pure Wheat Bran	Westminster
W. T. Eddington and Son, Federalsburg, Md.	
*Eddington's Best Laying Mash	Federalsburg
Special Laying Mash	Federalsburg
Pure Wheat Bran	Federalsburg
†Pure Wheat Middlings	Federalsburg
Edwards Milk Products Co., Chicago, Ill.	
‡"Yankee" Brand Dried Buttermilk	Baltimore
Egg-O-Milk Co., Baltimore, Md.	
†Egg-O-Milk Co's Blend	Cambridge

‡Not licensed at time of sale.
†Deficient in both protein and fat.
*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
10.54	9.50	9.65	2.50	2.99	5.00	1.86	1.55	73.41	As declared on sack.
9.85	14.00	13.96	2.50	3.92	4.00	4.12	1.94	66.21	" "
8.53	24.00	24.56	5.50	5.47	5.00	5.49	12.29	43.66	" "
7.07	55.00	65.38	8.00	8.67	3.00	3.53	15.23	.12	" "
6.44	50.00	50.11	8.00	9.94	3.00	1.72	27.00	4.79	" "
6.23	50.00	51.51	8.00	11.89	3.00	1.92	27.80	.65	" "
6.75	45.00	48.49	8.00	14.54	3.00	2.25	35.20	----	" "
6.54	45.00	44.92	8.00	10.51	3.00	2.09	32.60	3.34	" "
6.60	58.00	60.02	5.00	8.35	3.00	1.05	17.35	6.63	" "
6.46	60.00	60.29	5.00	10.46	3.00	.49	17.75	4.55	" "
9.83	16.50	17.72	3.50	4.12	12.00	10.31	6.07	51.95	A.
8.69	16.00	19.13	4.00	5.25	6.00	5.46	12.25	49.22	B.
10.83	7.00	9.32	2.00	5.10	17.00	15.64	5.13	53.98	C.
7.46	20.00	21.24	5.00	4.70	5.00	5.19	8.45	52.96	As declared on sack.
10.05	9.00	9.83	2.50	2.40	5.00	3.27	1.90	72.55	A.
7.55	18.50	19.57	4.00	4.48	7.50	7.64	9.15	51.61	As declared on sack.
9.47	17.00	20.36	4.00	4.66	7.00	6.43	11.50	47.58	" "
7.92	17.00	18.69	4.00	6.16	6.50	6.21	10.80	50.22	" "
8.11	20.00	21.59	4.00	5.91	6.00	6.29	11.90	46.20	" "
9.40	17.00	18.43	4.00	5.83	6.50	6.06	9.75	50.53	" "
9.27	18.50	19.48	4.00	5.27	5.00	5.02	9.30	51.66	" "
8.71	32.00	31.95	4.50	7.29	9.00	10.19	6.46	35.40	D. " "
7.28	19.00	19.92	4.00	4.71	7.00	6.33	10.55	51.21	" "
10.04	13.00	12.81	3.50	4.13	10.00	9.57	5.58	57.87	" "
10.00	12.00	12.72	2.50	3.65	3.00	2.38	3.70	67.55	" "
9.69	9.00	9.04	4.00	4.77	3.00	1.06	1.70	73.74	" "
10.45	10.00	10.00	3.00	2.93	4.00	2.54	1.90	72.18	" "
10.03	14.00	14.48	3.50	4.19	12.00	12.01	6.26	53.04	" "
9.25	20.00	19.31	5.80	5.15	7.00	7.20	10.95	48.14	A.
9.56	15.27	15.80	3.67	4.04	5.67	5.44	11.75	53.41	A.
9.01	14.00	13.34	4.00	5.24	11.00	9.99	6.05	56.37	As declared on sack.
10.89	14.00	12.72	4.00	2.80	6.00	4.04	2.40	67.16	" "
----	30.00	32.56	5.00	x6.45	----	----	9.33	----	" "
8.05	32.00	29.75	2.00	.76	4.00	4.03	10.40	47.01	

A—Ingredients on sack differ from license.
B—Fat and Fibre guarantee and Ingredients on sack differ from license.
C—Ingredients on sack differ from license. Also detected Crushed or Coarse Ground Barley. Rolled Oats declared. Crushed Oats present. Oat Products declared. Oat Mill Feed present.
D—Fibre guarantee on sack differs form license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Englar and Sponseller. Westminster, Md.	
"Meadow-Brook" Laying Mash	Westminster
*Pure Wheat Bran	Westminster
*Wheat Middlings, with M.R.S.	Westminster
Enterprise Tallow and Grease Co., Philadelphia, Pa.	
*Enterprise 45% Meat and Bone	Salisbury
John W. Eshelman and Sons, Lancaster, Pa.	
Eshelman Red Rose 24% Dairy Feed	Salisbury
Eshelman Red Rose 24% Dairy Feed	Baltimore
Eshelman Conestoga 20 Dairy Feed	Cumberland
Eshelman Lancaster 20 Dairy Feed	Sudlersville
Eshelman Pennsy Laying Mash	Cumberland
Eshelman Red Rose Laying Mash, with Cod Liver Oil	Salisbury
Eshelman Red Rose Laying Mash	Reisterstown
Eshelman Red Rose Growing Mash, with Cod Liver Oil	New Windsor
Eshelman Red Rose Growing Mash, with Cod Liver Oil	Salisbury
Eshelman Garden Spot Horse Feed	Baltimore
Eshelman Red Rose 85 Horse Feed	Baltimore
*Eshelman Red Rose Pig and Hog Meal	Baltimore
Eshelman Red Rose Corn Feed Meal	Cumberland
Eshelman Red Rose Flaked Feed	Baltimore
‡Oat Feed and Molasses	Taneytown
‡Eshelman Red Rose All-Mash Starter and Grower, with Cod Liver Oil	Cumberland
Eshelman Red Rose All-Mash Starter	New Windsor
Eshelman Red Rose Chick Grains	Baltimore
Eshelman Red Rose Chick Starter	Baltimore
Eshelman Lancaster Scratch Grains	Baltimore
Eshelamn Pennsy Scratch Grains	Salisbury
Eshelman Lancaster Scratch Grains	Cumberland
Eshelman Red Rose Turkey Grower, with Cod Liver Oil	Berlin
Eshelman Red Rose Turkey Starter, with Cod Liver Oil	Berlin
Fairchild Milling Co., Cleveland, Ohio	
Wheat Bran, with Ground Screen.N.Ex.M.R.	Frederick
Wheat Bran, with Ground Screen.N.Ex.M.R.	Baltimore
Standard Middlings, with Ground Screen.N.Ex.M.R.	Frederick
Standard Middlings, with Ground Screen.N.Ex.M.R.	Baltimore
Fairmont Creamery Co., Omaha, Neb.	
Fairmont's Better Pure Flake Buttermilk	Cambridge
Farmers Cooperative Association, Inc., Frederick, Md.	
Farco 32% Cooperative Supplement	Frederick
Farco 24% Milk Producer	Frederick
Farco 16% Dairy Feed	Frederick
Farco Cooperative Egg Producer	Frederick
Farco Cooperative Growing Mash	Frederick
*Dried Grains and Molasses	Frederick
Farco Cooperative Starting Mash	Frederick
Farmers Feed Co., New York, N. Y.	
"Bull Brand" Dried Brewers Grains	Chestertown

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.45	20.45	22.11	5.50	5.31	10.45	9.07	8.85	46.21	As declared on sack.
10.04	15.50	11.93	3.28	4.40	10.27	9.84	5.90	57.89	" "
9.80	16.00	12.55	4.00	5.20	6.00	6.91	3.50	62.04	" "
6.26	45.00	43.97	10.00	11.99	2.00	1.69	35.90	.19	" "
9.23	24.00	25.18	4.00	4.73	11.00	7.79	7.84	45.23	" "
8.30	24.00	26.30	4.00	3.97	11.00	8.12	7.45	45.86	" "
10.89	20.00	19.81	4.00	4.09	11.00	10.92	8.96	45.33	" "
8.18	20.00	22.56	4.00	4.11	11.00	8.81	7.04	49.30	" "
10.19	18.00	18.80	5.00	4.97	8.00	8.88	8.53	48.63	" "
8.10	20.00	21.94	5.00	5.55	7.00	6.54	7.86	50.01	" "
9.04	20.00	22.38	5.00	4.96	7.00	7.10	8.40	48.12	" "
9.15	16.00	18.87	4.00	4.76	7.00	6.65	5.80	54.77	" "
8.36	16.00	18.08	4.00	4.88	7.00	7.57	6.10	55.01	" "
9.81	7.00	8.33	2.00	2.60	11.00	10.11	5.55	63.60	" "
10.78	9.00	10.72	3.00	3.34	10.00	7.44	4.16	63.56	" "
7.44	16.00	19.04	5.00	4.09	10.00	7.74	7.05	54.64	" "
10.94	8.00	10.09	3.00	5.97	4.00	4.29	2.25	66.46	" "
9.03	10.00	10.18	2.50	3.88	11.00	5.12	2.20	69.59	" "
9.09	3.00	4.56	1.00	.92	25.00	23.92	7.93	53.58	" "
10.19	16.00	16.50	4.00	4 04	6.50	6.89	7.91	54.47	" "
8.50	16.00	18.95	4.00	4.53	6.50	5.53	7.90	54.59	" "
10.36	10.00	11.32	3.00	3.75	3.00	1.90	2.20	70.47	" "
7.14	16.50	19.04	4.00	4.99	6.00	4.80	7.10	56.93	" "
9.17	9.00	11.23	2.50	3.50	4.00	2.86	1.60	71.64	" "
10.58	9.00	10.97	2.50	3.31	4.00	2.80	1.60	70.74	" "
8.09	9.00	10.71	2.50	3.94	4.00	3.91	1.91	71.44	" "
9.71	18.00	19.66	4.25	5.03	7.00	7.02	6.96	51.62	" "
7.89	24.00	24.13	4.50	4.99	6.00	5.25	9.00	48.74	" "
9.32	14.00	15.09	3.50	4.68	12.00	9.96	5.70	55.25	" "
8.67	14.00	15.89	3.50	4.73	12.00	10.48	6.00	54.23	" "
9.98	16.00	17.72	4.00	4.58	9.50	7.27	4.95	55.50	" "
9.15	16.00	17.81	4.00	4.94	9.50	7.62	4.55	55.93	" "
----	32.00	32.29	6.00	x8.83	----	----	8.87	----	" "
9.80	32.00	34.24	3.00	4.45	7.00	7.34	8.63	35.54	" "
10.14	24.00	27.42	3.50	4.44	12.00	9.86	8.34	39.80	A.
10.22	16.00	17.54	3.00	3.24	14.00	12.75	8.15	48.10	B.
9.81	20.00	19.35	4.00	4.30	7.00	5.30	8.53	52.71	As declared on sack.
9.63	18.00	18.08	4.00	4.48	8.00	6.05	6.25	55.51	A.
9.73	15.00	13.69	3.50	5.61	15.00	13.49	11.79	45.69	As declared on sack.
9.93	17.00	19.57	4.00	4.25	6.50	4.01	5.90	56.34	C.
5.19	26.00	26.15	6.00	5.82	17.00	15.61	3.90	43.33	As declared on sack.

A—Ingredients on sack differ from license.
B—Also detected Linseed Oil Meal and Corn Gluten Meal.
C—Fibre guarantee and Ingredients on sack differ from license. Also detected Crab Meal.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Farmers Fertilizer and Feed Co., Westminster, Md.	
Farmer's 24% Dairy Feed	Westminster
Farmer's Favorite Laying Mash	Westminster
Farmer's Favorite Growing Mash	Westminster
Farmer's Favorite Pig Meal	Westminster
Farmer's Favorite Developer Feed	Westminster
Farmer's Favorite Chick Starter	Westminster
Farmer's Favorite Scratch Feed	Westminster
Farmers Supply Co., Denton, Md.	
Fasuco Laying Mash	Denton
Fasuco Hog Feed	Denton
Farmers Supply Co., Walkersville, Md.	
Hog Feed	Walkervilles
Federal Milling Co., Hagerstown, Md.	
*Federal Grow Big Hog Feed	Hagerstown
Federal Fancy Wheat Bran	Hagerstown
Federal Fancy Wheat	Cumberland
Federal Fancy Wheat Middlings, with Screen.N.Ex.M.R.	Hagerstown
Federal Special Scratch Feed	Hagerstown
Federal Special Scratch Feed	Cumberland
Federal Pigeon Feed	Hagerstown
Feed Mor Products Co., Westminster, Md.	
Meat Meal	Westminster
Tankage	Westminster
Feed Products Co., Baltimore, Md.	
‡Soyabean Meal	Taneytown
Felton and Kelly, Frederick, Md.	
Egg Maker La Mash	Frederick
Winter Wheat Bran	Frederick
Winter Wheat Middlings	Frederick
Ferneau Grain Co., Blanchester, Ohio	
‡F Corn Distillers Dried Grains	Baltimore
Fox Co., Inc., Newfield, N. J.	
Fox Fish Meal	Snow Hill
Freihofer Flour Mills, Philadelphia, Pa.	
Wheat Bran, with Mill Run of Ground Wheat Screen	Baltimore
Wheat Bran, with Mill Run of Ground Wheat Screen	Sykesville
Hard Wheat Standard Middlings, with Mill Run of Ground Wheat Screen	Sykesville
*Wheat Flour Middlings, with Mill Run of Ground Wheat Screen	Sykesville
Fullerton Supply Co., Overlea, Md.	
Fullerton Laying Mash	Overlea
Fullerton Poultry Scratch	Overlea

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.38	24.00	24.22	4.00	4.41	12.00	12.75	9.60	40.64	A.
8.34	20.00	20.71	4.50	4.34	10.00	8.58	8.65	49.38	As declared on sack.
8.30	17.00	20.53	4.00	4.19	6.50	7.68	6.55	52.75	" "
8.24	18.00	18.78	5.00	5.80	10.00	7.62	6.75	52.81	" "
10.90	10.00	10.27	2.50	4.35	3.00	2.56	2.70	69.22	" "
7.71	15.00	18.25	3.80	4.92	5.00	5.49	6.20	57.43	" "
11.46	10.00	9.49	3.00	2.82	4.00	2.46	2.35	71.42	" "
7.48	20.00	20.01	5.00	4.93	8.00	6.04	10.70	50.84	" "
10.00	15.00	15.53	5.00	4.88	7.00	4.78	8.10	56.71	" "
10.33	15.00	16.50	4.00	4.13	4.50	6.68	5.39	56.97	A.
10.57	14.50	13.34	4.50	4.32	8.00	4.83	4.75	66.19	A.
10.03	15.00	14.39	4.00	4.55	9.50	10.34	6.95	53.74	As declared on sack.
9.54	15.00	14.48	4.00	4.41	9.50	9.04	6.60	55.93	" "
9.99	15.50	15.18	4.00	4.97	6.00	6.14	4.10	59.62	" "
10.65	10.00	10.18	2.50	2.86	5.00	2.94	1.65	71.72	" "
9.69	10.00	10.27	2.50	2.98	5.00	2.53	1.73	72.80	" "
10.69	10.00	12.72	2.50	3.41	6.50	4.90	2.50	65.78	" "
5.40	55.00	55.81	5.00	8.22	4.00	1.49	28.00	1.08	" "
5.80	35.00	38.70	5.00	21.80	2.50	5.34	21.11	7.25	B.
6.47	42.00	43.44	4.50	7.81	7.00	4.53	7.70	30.05	As declared on sack.
9.72	18.00	18.43	5.00	5.04	5.00	5.87	7.45	53.49	" "
8.73	13.00	14.22	3.00	3.85	10.00	9.82	5.50	57.88	" "
10.98	14.00	13.51	2.00	3.32	5.00	3.46	2.85	65.88	" "
6.20	28.00	27.99	9.00	9.10	14.00	12.07	2.35	42.29	" "
7.00	55.00	59.23	3.00	10.30	3.00	.33	17.05	6.09	" "
8.89	16.00	16.50	4.00	3.92	11.00	9.35	6.10	55.24	" "
9.65	16.00	17.72	4.00	5.02	11.00	10.62	5.70	51.29	" "
10.46	16.00	17.46	4.00	3.74	9.50	7.58	4.25	56.51	" "
10.66	16.00	17.90	4.00	3.09	6.00	3.35	3.10	61.90	" "
8.45	20.00	21.15	4.50	4.77	6.50	7.33	8.20	50.10	" "
8.40	10.00	10.00	3.00	2.76	4.50	3.39	1.60	73.85	" "

A—Ingredients on sack differ from license.
B—Detected excessive amount of Vegetable Fibrous Material.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Galestown Milling Co., Galestown, Md.	
Pure Wheat Bran	Galestown
Pure Wheat Middlings	Galestown
Gall and Smith, Thurmont, Md.	
G. & S. Laying Mash	Thurmont
Gambrill Grain Products Co., Baltimore, Md.	
Skor 20% Dairy Feed	Baltimore
Gambrill's Aliceanna Laying Mash	Baltimore
Hen-Lay Laying Mash	Baltimore
Gambrill's Aliceanna Growing Mash	Baltimore
Gambrill's A-A Fattening Mash	Baltimore
Special G.B.M. Feed	Baltimore
Gammalt	Baltimore
Rye Chop	Baltimore
Gambrill's Corn Meal	Baltimore
Gardiner and Yowaiski Milling Co., Chaptico, Md.	
Chaptico Laying Mash	Chaptico
*Pure Wheat Bran	Chaptico
Pure Wheat Middlings	Chaptico
Chaptico Scratch Grains	Chaptico
General Mills, Inc., Minneapolis, Minn.	
Washburn's Gold Medal Hard Wheat Bran and Wheat Screen	Baltimore
Washburn's Gold Medal Pure Hard Wheat Adrain Red Dog	Baltimore
Washburn's Gold Medal Hard Wheat Standard Middlings and Wheat Screenings	Baltimore
Washburn's Gold Medal Hard Wheat Standard Middlings and Wheat Screenings	Cumberland
Geneva Milling Co., Inc., Geneva, N. Y.	
Geneso.a Standard Wheat Middlings and M.R.S.	Baltimore
Georgia Distributing Co., Atlanta, Ga.	
‡41% Protein Peanut Meal	Cardiff
‡Gold Dust 41% Cotton Seed Meal	Cardiff
Glade Valley Milling Co., Walkersville, Md.	
Gee Vee 32% Dairy Feed	Walkersville
Gee Vee Dairy Feed	Walkersville
Gee Vee Laying Mash	Walkersville
Pure Winter Wheat Bran	Walkersville
Winter Wheat Middlings, with Mill Run Screenings	Walkersville
Great Atlantic and Pacific Tea Co., New York, N. Y.	
Milky Way Dairy Feed 32%	Chestertown
Milky Way Dairy Feed 24%	Chestertown
Milky Way Dairy Feed 20%	Chestertown
Daily Egg Laying Mash Feed	Oakland
Special Daily Egg Mash Feed	Chestertown
Daily Growth Broiler Mash	Chestertown

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
10.07	14.00	13.69	3.50	4.63	10.00	9.78	7.05	54.78	As declared on sack.
10.04	14.00	14.04	3.50	4.72	5.00	3.97	4.50	62.73	" "
9.34	20.00	20.01	4.00	4.27	10.00	5.02	9.60	51.76	A.
9.62	20.00	21.97	4.00	5.44	13.00	10.78	7.03	45.16	B.
9.75	20.00	19.74	3.50	5.22	8.00	6.40	7.65	51.14	As declared on sack.
10.94	18.00	19.83	3.50	4.38	8.00	5.74	8.05	51.06	" "
7.48	16.00	17.72	4.00	6.42	7.00	5.28	7.68	55.42	" "
9.14	14.00	15.80	4.00	5.13	6.00	5.68	3.35	60.90	" "
9.00	13.00	14.55	2.00	2.55	11.00	10.37	3.63	59.90	" "
10.12	13.00	13.69	2.70	2.34	5.00	6.20	2.58	65.07	" "
9.69	10.50	13.42	1.50	1.71	2.00	2.75	2.00	70.43	" "
10.55	9.00	9.30	3.00	3.91	2.00	2.43	1.30	72.51	" "
7.96	20.00	20.45	5.00	5.48	6.50	6.39	9.85	49.87	" "
6.04	14.00	12.81	3.50	4.50	10.00	9.59	5.80	61.26	" "
7.99	14.00	13.87	4.00	4.24	6.00	4.18	3.35	66.37	" "
10.17	10.00	9.13	2.50	3.50	4.00	3.11	1.35	72.74	" "
8.51	14.00	15.88	4.00	4.73	12.00	11.02	6.35	53.51	" "
8.66	16.00	16.41	3.50	3.84	4.00	1.74	2.75	66.60	" "
8.17	15.00	17.20	4.00	5.10	9.50	8.19	4.65	56.69	" "
10.05	15.00	19.22	4.00	4.10	9.50	6.80	3.90	55.93	" "
9.84	15.00	20.18	4.00	5.58	9.50	5.97	4.30	54.13	" "
6.95	41.00	42.12	6.00	6.06	14.00	15.15	8.30	21.42	" "
6.81	41.00	40.54	6.00	6.95	10.00	12.31	6.15	27.24	" "
6.33	32.00	32.82	7.00	7.18	11.00	10.92	10.00	32.75	" "
7.92	20.00	21.94	3.00	4.17	9.00	8.46	6.90	50.61	" "
9.22	20.00	20.97	5.00	5.10	6.00	4.56	10.15	50.00	" "
9.51	15.00	15.27	4.00	4.34	12.00	10.04	6.60	54.24	" "
8.91	16.00	15.62	4.00	4.46	6.00	4.46	3.35	63.20	" "
10.45	32.00	33.98	4.00	4.22	8.00	7.74	5.61	38.00	" "
9.41	24.00	24.27	3.50	3.20	9.00	9.12	7.96	46.04	" "
9.61	20.00	21.82	3.50	3.21	9.00	9.21	8.35	47.80	" "
7.86	20.00	21.94	4.00	4.62	6.50	6.97	8.25	50.36	" "
8.18	20.00	21.94	4.50	5.06	7.00	6.87	9.39	48.56	" "
9.02	18.00	19.13	3.50	3.94	6.00	6.55	5.60	55.76	C.

A—Unable to detect Alfalfa Meal.
B—Unable to detect Corn Gluten Meal—also detected Ground Soybeans.
C—Also detected Ground Barley.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Great Atlantic and Pacific Tea Co., New York, N. Y. (Continued)	
*Daily Growth Chick Starter	Chestertown
Daily Growth Fine Chick Feed	Chestertown
*Daily Growth Fine Chick Feed	Oakland
Daily Egg Scratch Feed	Chestertown
*Daily Growth Turkey Grower	Chestertown
*‡Daily Growth Turkey Grower	Chestertown
Green-Mish Co., Washington, D. C.	
"Green Tag Brand" Prime Peanut Meal	Frederick
"Green Tag Brand" Prime Peanut Meal	Baltimore
"Green Tag Brand" Prime Peanut Meal	Germantown
"Green Tag Prime" Cotton Seed Meal	Detour
"Green Tag Prime" Cotton Seed Meal	Germantown
"Green Tag Prime" Cotton Seed Meal	Mt. Airy
Greensboro Milling Co., Greensboro, Md.	
Riddleberger Poultry Mash	Greensboro
Pure Wheat Bran	Greensboro
Pure Wheat Middlings	Greensboro
Wm. D. Groff, Owings Mills, Md.	
Wil-Gro Laying Mash	Owings Mills
Hales and Hunter Co., Chicago, Ill.	
Special Red Horn 24% Dairy Feed	Annapolis
Special Red Horn 24% Dairy Feed	Cumberland
Special Red Horn 20% Dairy Feed	Annapolis
*Gold Flake Dairy Feed	Cumberland
Morning Glory Egg Mash, with DBM	Cumberland
Red Comb Egg Mash, with DBM	Cumberland
Red Comb Growing Mash, with DBM	Baltimore
Red Comb Broiler Mash, with DBM	Baltimore
Kingfalfa Horse Feed	Annapolis
‡Kingfalfa Horse Feed	Baltimore
Pioneer Pig and Hog Feed	Cumberland
Red Comb Crate Fattener, with Rolled Oats	Cumberland
‡Morning Glory Chick Starter	Cumberland
Red Comb Chick Starter, with DBM	Baltimore
Red Comb Chick Starter, with DBM	Cumberland
Morning Glory Fine Chick	Baltimore
Morning Glory Coarse Chick No Grit	Baltimore
Pound Squab Pigeon Feed	Annapolis
Pound Squab Pigeon Feed	Cumberland
Red Comb Turkey Starter, with DBM	Cumberland
Victoria Rabbit Feed	Hagerstown
Victoria Rabbit Feed	Baltimore
Dwight Hamlin Co., Pittsburgh, Pa.	
Hamlins Dried Brewers Grains	Mt. Airy
Hampstead Fertilizer Co., Hampstead, Md.	
R-E-M Home Made Laying Mash	Hampstead

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.30	16.00	14.92	4.00	4.02	5.00	5.42	7.15	59.19	As declared on sack.
10.03	10.00	11.41	3.00	3.22	5.00	2.87	1.60	70.87	" "
9.86	10.00	11.32	3.00	2.41	5.00	1.83	1.45	73.13	" "
10.13	10.00	11.67	2.50	3.12	5.00	3.03	1.96	70.09	" "
9.30	24.00	22.90	4.50	4.55	6.50	6.54	10.22	46.49	" "
8.90	24.00	22.64	4.50	4.52	6.50	6.55	10.25	47.14	A.
6.70	45.00	44.67	6.00	6.65	12.00	12.60	7.60	21.78	As declared on sack.
7.49	45.00	46.69	6.00	7.49	12.00	12.82	4.84	20.67	" "
7.49	45.00	45.37	6.00	7.73	12.00	14.32	5.05	20.04	" "
6.06	41.00	41.94	5.00	5.91	13.00	12.76	5.85	27.48	" "
6.43	41.00	41.07	6.00	7.05	10.00	11.92	5.70	27.83	" "
7.54	41.00	42.47	5.00	6.34	13.00	11.75	6.35	25.55	" "
8.31	17.00	17.20	4.00	5.57	8.00	7.03	5.90	55.99	" "
10.15	14.00	13.86	4.00	4.32	10.00	9.67	5.85	56.15	" "
9.37	14.00	15.36	4.00	6.11	6.00	3.85	3.95	61.36	" "
8.54	18.00	19.74	5.00	4.94	8.00	8.05	7.50	51.23	" "
9.37	24.00	25.75	3.50	3.81	12.00	7.61	8.22	54.24	" "
10.33	24.00	24.22	4.00	4.35	11.00	9.36	8.83	42.91	" "
10.23	20.00	20.51	4.00	4.40	11.00	8.58	8.93	47.35	" "
10.03	16.00	16.79	3.50	2.40	15.00	12.03	9.96	48.79	" "
10.01	20.00	20.01	4.00	4.84	8.00	6.43	8.50	50.21	" "
10.28	18.00	18.95	4.00	5.46	7.00	6.39	9.23	49.69	" "
8.65	16.00	19.13	4.00	5.22	7.00	6.85	9.45	50.70	" "
8.66	18.00	19.92	4.00	3.58	7.00	5.20	8.06	54.58	" "
10.57	9.00	11.03	2.50	3.19	10.00	6.22	3.86	65.13	" "
10.39	9.00	12.22	2.50	3.37	10.00	6.53	5.47	62.02	" "
10.10	20.00	22.01	4.00	5.64	8.00	7.03	9.64	45.58	" "
10.91	13.00	14.65	4.00	4.39	6.00	6.39	3.82	59.84	" "
8.86	16.00	17.90	4.00	4.87	7.00	6.85	7.35	54.17	" "
8.82	18.00	20.36	4.00	4.97	6.00	6.13	8.20	51.52	" "
8.66	18.00	19.86	4.00	4.92	6.00	5.18	7.70	53.68	" "
10.16	10.00	10.27	2.50	2.92	5.00	1.25	2.60	72.80	" "
11.53	10.00	10.71	2.50	2.94	5.00	3.16	2.10	69.56	" "
10.54	10.00	16.94	2.50	2.49	5.00	4.34	2.30	63.39	" "
8.23	10.00	14.92	2.50	4.68	5.00	2.79	2.05	67.33	" "
9.03	25.00	26.76	5.00	5.83	6.00	5.64	9.70	43.04	" "
10.65	12.00	12.44	2.00	2.31	20.00	15.90	7.68	51.02	B.
11.90	12.00	13.28	2.00	2.21	20.00	11.70	9.41	51.50	B.
8.61	24.00	29.39	6.00	6.73	18.00	15.65	2.74	36.88	As declared on sack.
7.93	20.00	20.62	4.50	5.20	8.00	8.39	8.20	49.66	" "

A—Also detected Ground Barley.
B—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Hampstead Fertilizer Co., Hampstead, Md. (Continued)	
Home Made Growing Mash	Hampstead
Home Made Hog Feed	Hampstead
Hancock Flour and Feed Co., Hancock, Md.	
Potomac Laying Mash	Hancock
Potomac Starting and Growing Mash	Hancock
Frank Harbaugh, Middleburg, Md.	
Use more Dairy Feed	Middleburg
Use More Egg and Growing Mash	Middleburg
Use More Pig and Hog Meal	Middleburg
U. L. Harman, Marydel, Md.	
Harman's Laying Mash	Marydel
Mary-Del Egg Mash	Marydel
Samuel J. Heiney and Sons, Allentown, Pa.	
Hei-Son Baby Chick Food	Baltimore
De Vries R. Hering, Sykesville, Md.	
Herings Laying Mash	Sykesville
Herings Pig Meal	Sykesville
Herings Pig Meal	Sykesville
Herings Starting Mash	Sykesville
Pure Wheat Bran	Sykesville
Pure Wheat Middlings	Sykesville
Herings Scratch Feed	Sykesville
Hershey Creamery Co., Harrisburg, Pa.	
Hershey's Superior Powdered Skim Milk	Hagerstown
Hespenheide and Thompson, Inc., York, Pa.	
Dictator 24% Dairy Feed	Baltimore
York 20% Dairy Feed	Parkton
Premier 16% Dairy Feed	Chewsville
Premier Egg Mash, with BM., Charcoal and Mineral	Baltimore
Premier Egg Mash, with BM., Charcoal, mineral and Cod Liver Oil	Baltimore
Premier Growing Mash, with Cod Liver Oil	Parkton
Premier Crate Fattening Mash	Baltimore
Premier 85% Horse Feed	Parkton
Premier Pig and Hog Meal	Baltimore
Premier Calf Meal	Parkton
Premier Starting and Growing Mash, with Cod Liver Oil	Parkton
Premier Starting and Growing Mash, with Cod Liver Oil	Baltimore
Premier Baby Chick Starter, with Cod Liver Oil	Parkton
Premier Chick Feed	Baltimore
York Scratch Feed	Baltimore
Premier Turkey Starter	Parkton
J. E. Highman and Sons, Millington, Md.	
Pure Wheat Bran	Millington
Pure Wheat Middlings	Millington

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
10.11	17.00	19.13	4.00	4.49	7.00	5.13	7.90	53.24	As declared on sack.
10.54	15.00	16.23	4.00	4.44	8.00	7.22	7.00	54.57	" "
7.67	20.00	20.45	4.50	4.48	6.50	5.52	9.90	51.98	" "
8.65	17.00	17.46	4.50	4.34	5.25	5.36	8.96	55.23	" "
10.48	16.50	20.97	4.00	4.51	10.00	8.31	6.69	49.04	A.
8.91	20.00	21.94	4.00	3.91	7.00	6.28	6.65	52.31	As declared on sack
10.37	19.00	20.71	5.00	4.58	5.00	6.25	6.75	51.34	" "
9.15	20.00	20.36	5.00	5.01	7.00	6.27	9.75	49.46	" "
8.73	17.00	18.43	4.50	4.57	8.00	8.09	8.95	51.23	" "
7.62	13.00	15.53	4.00	4.49	7.50	4.74	6.25	61.37	" "
8.70	20.00	21.11	5.00	5.58	7.00	5.76	9.90	48.94	" "
10.61	17.00	17.73	3.50	3.97	5.00	4.30	5.60	57.79	" "
10.45	18.00	19.58	3.50	4.25	5.00	4.84	5.04	55.84	" "
9.20	17.00	17.55	4.50	4.83	5.50	5.04	8.21	55.17	" "
10.54	14.00	13.69	3.00	3.51	9.00	9.85	6.70	55.71	" "
10.48	12.00	12.46	3.00	3.24	4.00	3.23	3.50	67.09	" "
7.50	9.00	9.57	2.50	3.32	5.00	3.45	2.15	74.01	" "
----	32.00	33.52	.25	x1.29	----	----	8.35	----	" "
9.06	24.00	23.94	3.50	3.80	12.00	8.73	7.75	46.72	" "
9.68	20.00	20.56	3.50	3.59	12.00	11.80	7.95	46.42	" "
11.75	16.00	19.11	3.00	4.14	12.00	12.24	11.20	41.56	B.
7.75	20.00	21.94	4.50	5.84	7.00	8.60	9.34	46.53	As declared on sack.
8.59	20.00	21.94	4.50	4.98	7.00	7.26	8.90	48.33	" "
9.08	17.00	20.01	4.00	5.44	7.00	6.77	8.52	50.18	" "
8.44	15.00	16.67	4.00	4.38	6.50	6.29	6.90	57.32	" "
10.83	9.00	10.47	3.00	3.25	10.00	7.90	4.32	63.23	" "
9.12	16.00	17.11	4.00	3.99	7.00	6.89	12.65	50.24	" "
9.09	20.00	24.22	3.00	3.73	4.50	4.28	6.16	52.52	" "
8.49	16.00	18.08	4.00	5.07	6.00	5.82	10.36	52.18	" "
8.55	16.00	17.72	4.00	5.31	6.00	5.64	11.30	51.48	" "
8.90	18.00	19.39	4.00	5.29	5.00	4.56	9.54	52.32	" "
8.46	10.00	10.71	2.50	4.57	4.00	1.81	1.90	72.55	" "
10.49	9.00	10.53	3.00	2.65	5.00	3.31	1.60	71.42	C. " "
11.76	24.00	24.08	4.00	5.01	8.00	5.56	10.71	42.88	" "
10.00	13.00	13.42	3.00	4.09	9.00	7.07	7.10	58.32	" "
9.07	14.00	15.68	4.00	5.58	5.00	3.99	4.27	61.41	" "

A—Unable to detect Malt Sprouts.
B—Ingredients on sack differ from license.
C—Fat guarantee on sack differs from license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Hood Mills Co., Baltimore, Md.	
‡*Fine Ground Feeding Oatmeal	Lineboro
John P. Howard, Hagerstown, Md.	
Howard's Poultry Mash	Hagerstown
Howard's Scratch Grains	Hagerstown
Howard's Pigeon Feed Without Corn	Hagerstown
Howard's Pigeon Feed with Corn	Hagerstown
Smith Hoyle, Boyds, Md.	
*Pure Wheat Bran	Boyds
†Pure Wheat Middlings	Boyds
Hubbard Milling Co., Manato, Minn.	
Hubbard's Sunshine Concentrate	Hagerstown
A. W. Hudson and Co., Salisbury, Md.	
Sterilized Steamed Bone	Centreville
Humphreys-Godwin Co., Memphis, Tenn.	
Dixie Brand Prime 41% Protein Cottonseed Meal	Thurmont
Dixie Brand Prime 41% Protein Cottonseed Meal	Frederick
Hurlock Milling Co., Hurlock, Md.	
Best Quality Laying Mash	Hurlock
Best Quality Pig Meal	Hurlock
Pure Wheat Bran	Hurlock
Pure Wheat Middlings	Hurlock
*Pure Wheat Middlings	Hurlock
Huston, Culver and Co., Seaford, Del.	
Fish Meal	Cambridge
Fish Meal	Salisbury
Independent Manufacturing Co., Philadelphia, Pa.	
*Independent's 50% Meat Scrap and Bone	St. Michaels
*Independent's 50% Meat Scrap and Bone	St. Michaels
‡Independent's 50% Meat Scrap and Bone	St. Michaels
Ingleside Milling Co., Ingleside, Md.	
Ingleside Dairy Feed	Ingleside
Ingleside Starter and Grower	Ingleside
Pure Wheat Bran	Ingleside
Pure Wheat Middlings	Ingleside
Ingleside Turkey Mash	Inglseide
International Milling Co., Minneapolis, Minn.	
Blackhawk Pure Wheat Bran	Baltimore
Blackhawk Wheat Standard Middlings Screenings N.Ex.M.R.	Baltimore
Cyrus S. Johnson, Hancock, Md.	
‡Pure Wheat Middlings	Hancock

*Deficient in protein or fat.
‡Not licensed at time of sale.
†Deficient in both protein and fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.65	14.00	12.86	5.00	5.37	4.00	6.74	5.76	59.62	As declared on sack.
8.78	18.00	19.04	5.00	5.45	7.00	6.32	11.08	49.33	A.
10.65	10.00	10.00	2.50	2.72	4.00	2.60	1.70	72.33	As declared on sack.
10.00	14.00	14.92	3.00	2.88	4.00	4.73	2.30	65.17	" "
10.69	12.50	12.72	3.25	3.36	3.50	3.02	1.43	68.78	" "
9.65	15.00	14.48	4.00	3.43	8.00	8.87	6.10	57.47	" "
11.20	15.00	13.34	4.00	3.46	4.00	4.23	3.40	64.37	" "
8.73	32.00	32.03	5.00	5.21	7.00	6.61	13.80	33.62	" "
5.04	5.00	6.84	.20	.84	4.00	.21	85.55	1.52	" "
7.68	41.00	42.30	5.00	5.91	12.00	10.93	7.30	25.88	" "
6.96	41.00	41.77	5.00	7.29	12.00	12.14	6.35	25.49	" "
10.08	20.50	21.41	4.95	4.53	9.62	7.50	12.50	43.98	" "
10.19	20.00	21.94	4.50	4.50	8.00	6.99	4.34	52.04	B.
9.20	14.50	14.04	4.00	4.05	9.00	7.48	7.25	57.98	As declared on sack.
9.33	14.50	14.22	4.00	4.41	9.00	4.02	3.55	64.47	" "
10.68	14.50	12.99	4.00	4.44	9.00	6.94	3.35	61.60	C.
7.70	55.00	58.62	4.00	6.98	1.00	.64	19.70	6.36	As declared on sack.
7.72	55.00	59.06	4.00	6.93	1.00	1.06	20.54	4.69	" "
6.10	50.00	48.44	8.00	12.78	3.00	2.38	29.31	.99	" "
4.79	50.00	48.44	8.00	13.73	3.00	1.36	29.90	1.78	" "
6.45	50.00	50.55	8.00	13.91	3.00	2.46	26.57	.06	" "
8.65	20.00	20.88	3.00	4.30	14.00	10.02	6.10	50.06	" "
10.65	17.00	17.11	4.50	4.81	10.00	4.49	9.05	53.89	" "
9.07	13.00	13.16	3.00	4.46	9.00	10.49	6.57	56.25	" "
11.00	13.00	13.16	3.50	3.37	9.50	3.52	3.17	65.78	" "
7.44	20.00	21.76	4.50	5.02	10.00	9.05	13.99	42.74	D.
11.15	15.00	15.09	3.20	4.20	12.00	10.95	6.20	52.41	As declared on sack.
8.91	16.00	17.72	4.50	5.05	8.50	8.50	4.90	54.92	" "
7.50	14.00	13.95	2.50	3.39	8.00	3.96	3.20	68.00	" "

A—Also detected Charcoal.
B—Also detected Wheat Bran.
C—Also contains a large amount of Finely Ground Corn.
D—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
R. D. Johnson Milling Co., Cumberland, Md.	
*Atlas Dairy Feed	Cumberland
*Atlas Dairy Feed	Cumberland
Atlas Egg Mash	Cumberland
Wheat Brand and Screenings	Cumberland
*Wheat Shorts	Cumberland
†Atlas Scratch Feed	Cumberland
Kasco Mills, Inc., Waverly, N. Y.	
‡†Kasco 32% Mixing Feed	Annapolis
*Kasco Mormilk Dairy Ration	Cumberland
Oc-Sak 24% Dairy Feed	Cumberland
Beatsall Milk Grains	Oakland
Apex 20% Dairy Feed	Cumberland
‡Kasco Sweet 16% Dairy Feed	Hancock
Apex Laying Mash	Hancock
‡Oc-Sak Laying Mash	Annapolis
Oc-Sak Laying Mash	Cumberland
‡Kasco Hatching Egg Mash	Oakland
Apex Complete Grower	Hancock
Kasco All Mash Growing Food	Oakland
‡Kasco Growing Grains	Hancock
‡Kasco Horse Feed	Hancock
‡Oc-Sak Horse Feed	Cumberland
‡†Kasco Sweet Stock Meal	Oakland
*Kasco Pig-Hog Feed	Hancock
Oc-Sak Hog Meal	Hancock
‡Oc-Sak Hog Meal	Annapolis
‡Kasco Cattle Meal	Oakland
‡Kasco Poultry Flushing Mash	Hancock
‡Apex Sugared Chop	Oakland
Apex Starter	Oakland
Oc-Sak Chick Grains	Oakland
‡Oc-Sak Scratch Grains	Annapolis
Kasco Turkey Starter	Oakland
‡Kasco Rabbit Pellets	Cumberland
‡Kasco Complete Rabbit Ration	Cumberland
Keedysville Milling Co., Inc., Keedysville, Md.	
Eureka Laying Mash	Keedysville
Wheat Bran	Keedysville
Wheat Middlings	Keedysville
Kelco Co., New York, N. Y.	
‡Kelco-Meal	Sykesville
Kershaw Oil Mill, Kershaw, S. C.	
‡Palmetto Brand Cottonseed Meal	Hagerstown
Key Grain and Feed Co., Keymar, Md.	
The Key 32% Dairy Ration	Detour
The Key Dairy Ration	Hampstead
The Detour Laying Mash	Detour

*Deficient in protein or fat.
†Deficient in both protein and fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.45	22.00	16.94	4.90	6.53	10.00	7.46	6.10	54.52	As declared on sack.
8.55	16.00	14.04	3.50	4.22	12.64	9.13	6.30	57.76	A.
7.03	18.00	19.74	4.00	6.13	7.00	6.36	13.05	47.69	B.
9.49	16.00	17.55	4.00	5.22	9.00	10.33	5.50	51.91	As declared on sack.
9.04	17.00	17.81	5.00	4.45	6.00	8.12	5.00	55.58	" "
10.04	11.50	9.83	3.46	2.89	2.48	3.59	1.50	72.16	" "
8.22	32.00	30.07	5.00	3.87	10.00	7.54	7.31	42.99	" "
7.74	24.00	25.97	4.50	3.77	10.00	6.97	6.90	48.65	" "
10.02	24.00	23.11	4.00	3.81	12.00	9.96	6.62	46.48	" "
8.86	22.00	23.04	4.00	4.31	10.00	7.94	7.25	48.60	" "
10.63	20.00	21.42	3.50	3.83	12.00	11.36	8.12	44.64	" "
10.58	16.00	16.04	3.50	4.44	12.00	13.73	9.46	45.75	" "
8.27	20.00	20.36	4.00	4.45	8.50	7.46	11.10	48.36	C.
7.30	17.00	17.55	3.50	4.10	8.50	8.20	10.85	52.00	As declared on sack.
10.39	17.00	17.72	3.50	4.66	8.50	6.70	10.30	50.23	" "
8.20	20.00	20.80	4.00	4.11	6.50	6.50	10.75	49.64	D.
9.58	14.00	15.27	4.00	4.05	8.50	7.66	9.20	54.24	D.
9.05	14.00	14.74	4.00	4.25	5.50	6.27	9.45	56.24	E.
11.53	10.00	11.23	2.50	3.45	4.00	3.12	1.81	68.86	As declared on sack.
11.50	9.00	11.40	3.00	3.63	10.00	7.63	5.68	60.16	" "
12.02	9.00	7.80	2.25	2.04	12.00	13.40	7.04	57.70	" "
11.72	12.50	10.90	4.00	3.09	12.00	10.98	9.14	54.17	" "
8.42	17.00	18.60	4.50	3.96	7.50	7.54	9.50	51.98	" "
9.51	17.00	18.78	4.50	4.13	10.00	9.10	10.01	48.47	F. " "
8.34	16.00	15.97	4.50	4.32	10.00	8.25	10.65	52.47	" "
11.21	18.00	17.64	4.00	3.64	10.00	10.42	9.83	47.26	" "
9.16	17.00	18.69	4.00	4.29	5.50	4.79	10.87	52.20	" "
9.91	10.00	9.23	3.00	3.35	12.00	14.17	8.74	54.60	" "
8.70	15.00	15.97	4.00	4.27	6.00	6.48	9.85	54.73	E.
10.66	9.00	10.09	2.50	2.42	3.50	1.54	1.35	73.94	As declared on sack.
10.71	9.00	10.87	2.50	3.42	4.00	2.89	2.12	69.99	" "
8.06	24.00	24.22	4.00	4.69	8.00	7.39	11.25	44.39	B.
8.95	13.00	14.92	3.00	3.98	11.00	60.5	8.25	57.85	As declared on sack.
11.60	12.00	14.17	2.00	2.99	20.00	12.68	5.93	52.63	" "
7.75	20.00	20.80	5.00	4.53	7.00	6.94	10.65	49.33	" "
10.04	13.50	13.78	3.20	4.15	8.35	7.49	7.40	57.14	" "
9.90	14.00	15.09	3.50	4.01	3.25	3.00	5.35	62.65	" "
8.13	3.00	5.79	.10	.31	10.00	6.60	40.42	38.75	" "
6.23	41.00	41.68	6.00	5.87	10.00	13.03	6.30	26.89	" "
8.50	32.00	33.87	4.75	5.17	10.00	9.66	7.85	34.95	" "
8.65	20.00	22.55	4.00	4.62	11.00	9.13	7.40	47.65	" "
8.04	19.00	20.53	4.50	4.47	9.00	9.10	8.80	49.06	" "

A—Fat and Fibre guarantee and Ingredients on sack differ from license.
B—Ingredients on sack differ from license.
C—Also detected Corn Gluten Feed.
D—Ingredients on sack differ from license. Also detected Corn Gluten Feed.
E—Also detected Corn Gluten Feed.
F—Protein guarantee on sack differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Key Grain and Feed Ko., Keymar, Md. (Continued)	
The Key Laying Mash	Hampstead
The Key Pig Meal	Hampstead
The Key Starting Mash	Keymar
The Key Scratch Grains	Keymar
King Brothers and Co., Philadelphia, Pa.	
‡King's 55% Protein Sardine Fish Meal	Westover
‡King's Alfalfa Leaf Meal	Princess Anne
J. N. Kirk, Middletown, Del.	
32% Superlative Feed	
Kline Brothers, Inc., Boonsboro, Md.	
Pure Wheat Middlings	Chewsville
Charles F. Knock, Frederick, Md.	
Laying Mash, with BM.	Frederick
Growing Mash	Frederick
Chick Feed	Frederick
Medium Scratch Feed	Frederick
Scratch Feed	Frederick
H. C. Knoke and Co., Chicago, Ill.	
Barley Feed	Baltimore
Chas. A. Krause Milling Co., Milwaukee, Wis.	
Economy 24% Dairy Ration	Adamstown
‡Badger 16% Sweet Dairy	Westminster
‡Badger 16% Sweet Dairy	Adamstown
Badger White Hominy Feed	Westminster
H. Curtis Krout, Maryland Line, Md.	
Krout's Dairy Ration	Maryland Line
Krout's Egg Mash	Maryland Line
Lakeview Milling Co., Chambersburg, Pa.	
Soft Winter Wheat Bran, with Ground Screenings	Hancock
Soft Winter Wheat Middlings, with Ground Screen. N.Ex.M.R.	Chewsville
F. S. Langrell, Preston, Md.	
Prue Wheat Bran	Preston
Pure Wheat Middlings	Preston
Larrowe Milling Co., Detroit, Mich.	
‡41% Protein Larro Soybean Oil Meal	Grantsville
Larrowe's 32% Dairy Feed	Baltimore
Larro The Ready Ration For Dairy Cows	Laurel
Larrowe's 16 Dairy Feed	Baltimore
Larro Egg Mash	Laurel
Larro Broiler Feed	Silver Spring
Larro Pig Feed	Mt. Airy
Larro Calf Meal	Baltimore

‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.69	19.00	**18.95**	5.00	**4.96**	7.00	**6.05**	**10.30**	**51.05**	As declared on sack.
9.50	17.00	**18.16**	4.00	**5.14**	7.00	**6.35**	**7.90**	**52.96**	" "
9.09	16.00	**16.85**	4.50	**5.13**	6.00	**4.63**	**6.90**	**57.40**	" "
12.49	10.00	**9.65**	2.75	**2.47**	4.00	**2.69**	**1.55**	**71.15**	" "
8.82	55.00	**61.69**	8.00	**7.96**	1.00	**.59**	**16.80**	**4.14**	" "
8.19	20.00	**20.62**	2.00	**2.28**	18.00	**18.06**	**10.92**	**39.93**	" "
10.87	32.00	**31.78**	5.00	**4.67**	9.00	**9.52**	**8.10**	**35.06**	" "
9.76	15.00	**14.39**	4.00	**4.30**	5.00	**5.00**	**3.35**	**63.20**	" "
7.81	18.00	**21.76**	3.00	**6.54**	6.00	**4.70**	**9.05**	**50.14**	" "
9.08	15.00	**15.80**	4.00	**5.82**	10.00	**3.97**	**4.75**	**60.58**	A.
10.33	9.00	**11.14**	3.00	**6.01**	5.00	**1.69**	**1.90**	**68.93**	As declared on sack.
10.90	9.00	**10.53**	3.00	**3.46**	5.00	**3.39**	**1.85**	**69.87**	" "
10.54	9.00	**10.18**	3.00	**3.24**	5.00	**2.93**	**2.20**	**70.91**	" "
7.24	12.00	**14.13**	3.50	**4.63**	14.00	**11.35**	**5.38**	**57.27**	" "
10.05	24.00	**27.55**	3.50	**3.23**	12.00	**8.50**	**6.05**	**44.62**	" "
10.53	16.00	**16.87**	3.00	**5.01**	13.00	**13.40**	**9.56**	**44.63**	" "
10.19	16.00	**15.67**	3.00	**2.95**	13.00	**15.75**	**9.15**	**46.29**	" "
9.25	10.00	**12.29**	6.00	**6.53**	5.00	**4.99**	**3.20**	**63.74**	" "
8.80	20.00	**22.38**	3.75	**4.14**	12.00	**8.64**	**5.90**	**50.14**	" "
7.50	20.00	**22.46**	4.00	**5.28**	7.00	**6.45**	**9.90**	**48.41**	" "
8.06	14.00	**14.48**	4.00	**4.45**	9.50	**9.07**	**6.05**	**57.89**	" "
10.35	15.00	**14.98**	4.00	**3.92**	7.00	**6.64**	**4.63**	**59.48**	" "
10.00	13.00	**14.04**	3.00	**4.01**	10.00	**7.48**	**5.40**	**59.07**	" "
9.34	13.00	**13.43**	3.00	**3.64**	7.00	**2.49**	**2.70**	**68.40**	" "
7.76	41.00	**41.16**	4.50	**5.89**	6.50	**6.16**	**6.00**	**33.03**	" "
7.83	32.00	**33.96**	4.00	**5.01**	10.50	**10.58**	**8.58**	**34.04**	" "
9.97	20.00	**21.24**	3.75	**4.12**	12.00	**10.35**	**6.30**	**48.02**	" "
10.16	16.00	**18.78**	3.00	**3.66**	11.00	**10.82**	**6.20**	**50.38**	" "
8.48	20.00	**20.71**	4.00	**4.84**	7.50	**6.91**	**9.16**	**48.90**	" "
8.16	18.00	**19.74**	4.00	**4.98**	6.50	**5.92**	**9.50**	**51.70**	" "
9.87	17.50	**18.60**	4.00	**4.06**	7.50	**7.08**	**9.40**	**50.99**	" "
7.32	23.00	**24.13**	4.00	**4.44**	4.00	**3.98**	**6.20**	**53.93**	" "

A—Also detected Meat and Bone Scrap.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Larrowe Milling Co., Detroit, Mich. (Continued)	
Dried Beet Pulp	Germantown
Larro Chick Builder	Silver Spring
Larro Chick Grains	Silver Spring
Leisters Feed Store, Millers, Md.	
Hamco Egg Mash	Millers
Leistersburg Milling Co., Leitersburg, Md.	
Pure Wheat Bran	Leitersburg
Pure Wheat Middlings	Leitersburg
Liberty Milling Co., Germantown, Md.	
*Montgomery 26% Dairy Feed	Germantown
*Liberty 22% Dairy Feed	Germantown
Liberty Egg Mash	Germantown
Liberty Growing Mash	Germantown
‡Liberty Hog Meal	Germantown
Winter Wheat Bran	Silver Spring
Winter Wheat Bran	Germantown
Winter Wheat Middlings, with M.R.S.	Silver Spring
Liberty Baby Chick Starter	Germantown
Liberty Intermediate Scratch Grains	Germantown
Liberty Scratch Grains	Germantown
‡Liberty Starter and Grower Turkey Mash	Germantown
Linwood Elevator Co., Linwood, Md.	
Linwood Dairy Feed	Linwood
Linwood Laying Mash	Linwood
*Linwood Complete Pig Meal	Linwood
Samuel C. Long, Wicomico, Md.	
Pure Wheat Bran	Wicomico
Pure Wheat Middlings	Wicomico
L. B. Lovitt and Co., Memphis, Tenn.	
"Lovit Brand" 41% Protein Cottonseed Meal	Boyds
"Lovit Brand" 41% Protein Cottonseed Meal	Taneytown
"Lovit Brand" 41% Protein Cottonseed Meal	Hagerstown
Maritime Milling Co., Inc., Buffalo, N. Y.	
B-B Hi-Test Dairy Feed 24% Sweetened	Baltimore
Bull Brand "24" Dairy Ration Sweetened	Mardela Springs
Bull Brand "24" Dairy Ration Sweetened	Baltimore
B-B. Hi-Test 20% Dairy Feed Sweetened	Mardela Springs
B-B. Marico 16% Protein Dairy Feed, with Molasses	Mardela Springs
B-B. Marico 16% Protein Dairy Feed, with Molasses	Baltimore
Bull Brand Laying Mash, with Milk Sugar Feed and DBM.	Baltimore
B-B. Daisy Egg Mash, with DBM.	Baltimore
‡B-B. Daisy Growing Mash Vitamized with Cod Liver Oil and DBM.	White Hall
‡B-B. All Mash Starter and Growing Ration Vitamized with Cod Liver Oil, Milk Sugar Feed and DBM.	White Hall

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.15	7.00	8.88	.30	.58	22.50	20.30	4.38	58.71	As declared on sack.
9.16	19.00	20.80	4.00	5.06	7.00	7.09	10.70	46.89	" "
10.04	10.00	10.27	2.00	2.92	4.00	2.60	1.72	72.45	" "
8.53	20.00	19.92	4.00	4.64	8.00	8.53	13.80	44.58	" "
9.54	14.00	13.78	4.00	3.97	10.00	12.67	6.33	53.71	" "
10.77	15.00	14.31	4.50	4.19	4.00	5.11	4.05	61.57	" "
8.95	26.00	26.59	5.00	4.46	9.00	9.55	8.30	42.15	" "
7.96	22.00	23.78	5.00	4.39	10.00	12.17	7.42	44.28	A.
8.65	19.00	21.06	4.00	5.34	7.00	5.82	11.60	47.53	B.
8.60	18.00	18.43	4.00	5.33	6.50	6.39	9.20	52.05	As declared on sack.
8.46	18.00	19.22	5.00	4.75	5.00	6.57	6.80	54.20	C.
10.01	14.00	14.57	4.00	4.51	10.50	8.76	6.70	55.45	As declared on sack.
10.16	14.00	14.04	4.00	4.55	10.50	7.97	6.75	56.53	D.
10.15	15.00	15.01	4.00	4.47	6.00	3.79	4.10	62.48	As declared on sack.
10.77	14.00	14.04	4.00	4.27	3.50	5.47	6.10	59.35	E.
11.44	10.00	11.67	4.00	3.62	3.00	2.38	1.90	68.99	As declared on sack.
8.56	10.00	9.30	3.50	3.47	3.00	2.02	1.85	74.80	F.
9.23	18.00	18.95	4.50	5.18	6.00	11.70	11.10	43.84	As declared on sack.
6.62	16.00	17.38	3.50	3.79	15.00	14.37	6.95	50.89	" "
6.65	18.00	23.17	4.50	4.64	8.00	7.06	13.00	45.48	" "
8.49	15.00	19.31	4.50	3.74	6.00	6.90	8.65	52.91	" "
8.15	13.00	13.34	4.00	4.13	10.00	8.17	5.60	60.61	" "
9.58	13.00	12.99	4.00	3.58	5.00	2.79	2.45	68.61	" "
6.48	41.00	43.09	5.00	5.32	13.00	11.05	6.35	27.71	" "
7.45	41.00	40.98	5.00	5.85	13.00	11.05	6.85	27.82	" "
7.66	41.00	42.82	5.00	7.13	13.00	11.38	6.61	24.40	" "
9.10	24.00	25.26	4.00	4.40	12.00	10.08	8.95	42.21	" "
9.28	24.00	24.32	4.00	3.91	11.00	8.89	5.80	47.80	" "
9.05	24.00	24.41	4.00	3.71	11.00	8.66	7.91	46.26	" "
8.31	20.00	24.05	4.00	4.36	12.00	9.62	7.01	46.65	" "
8.18	16.00	17.51	4.00	3.99	12.00	11.95	9.41	48.96	" "
10.11	16.00	17.06	4.00	4.18	12.00	11.82	8.37	48.46	" "
8.74	20.00	21.94	4.50	4.43	7.00	6.68	9.30	48.91	" "
9.16	20.00	21.94	3.50	3.93	9.00	7.65	10.90	46.42	" "
8.95	15.00	17.20	3.50	4.01	9.00	8.09	9.31	52.44	" "
8.58	17.00	21.06	4.00	6.23	7.00	5.94	9.10	49.09	" "

A—Ingredients on sack differ from license.
B—Protein and Fat guarantee on sack differ from license.
C—Ingredients on sack differ from licence. Detected Ground Barley but not declared on bag.
D—Also detected Ground Wheat Screenings.
E—Fibre guarantee and Ingredients on sack differ from license.
F—Fat and Fibre guarantee and Ingredients on sack differ from license. Also detected Oats—unable to detect Barley.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Maritime Milling Co., Inc., Buffalo N. Y. (Continued)	
Bull Brand Broiler Ration Vitamized with Cod Liver Oil, Milk Sugar Feed and DBM	Baltimore
‡Special Station Fattening Mash	Federalsburg
Bull Brand Pig and Hog Meal, with Minerals	Baltimore
Bull Brand Calf Meal	Baltimore
B-B. Daisy Scratch Feed	Baltimore
Bull Brand Scratch Feed	Baltimore
Bull Brand Pigeon Feed	Baltimore
J. D. Earl Martin, Hagerstown, Md.	
16% Dairy Feed	Reid
Maurer Manufacturing Co., Newark, N. J.	
Kwality Meat and Bone Scrap	Mardela Springs
Kwality Meat and Bone Scrap	Del Mar
C. W. McFadden and Sons, Pylesville, Md.	
*Laying Mash	Pylesville
*Pure Wheat Bran	Pylesville
*Pure Wheat Middlings	Pylesville
Medford Grocery Co., Medford, Md.	
Pure Corn Meal	Medford
J. B. Medford, Henderson, Md.	
Medford's Laying Mash	Henderson
Medford's Growing Mash	Henderson
Menhaden Fish Products Co., Baltimore, Md.	
*‡Meat and Bone Scrap	Cardiff
Pure Ground Fish Meal	Hagerstown
‡Pure Ground Fish Meal	Ellicott City
‡*Hog-Gro	Lineboro
Henry Mesner and Son, Baltimore, Md.	
‡E-Z-Fed Laying Mash, with BM., Cod Liver Oil and Minerals	Baltimore
‡E-Z-Fed Scratch Feed	Baltimore
Metcalfe Brothers, Chestertown, Md.	
Chester 20% Dairy Feed	Chestertown
Special Laying Mash	Chestertown
Chester Poult Mash	Chestertown
Leo H. Michael, Buckeystown, Md.	
Michael's Laying Mash	Buckeystown
Michigan Products Dairy Co., Adrian, Mich.	
‡M.P.D. Skim Milk Powder	Berlin
John G. Miller, Baltimore, Md.	
‡Miller's Meat and Bone Scrap	Fallston

‡Not licensed at time of sale.
*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.10	18.50	22.55	4.00	4.28	6.00	6.64	8.15	50.28	As declared on sack.
8.34	13.00	16.23	4.00	4.89	6.00	5.92	4.85	59.77	" "
8.37	18.00	19.48	4.00	3.86	8.00	7.65	11.20	49.44	" "
8.06	22.00	25.80	4.00	4.27	5.00	4.15	6.65	51.07	" "
9.47	9.00	10.88	2.50	3.33	5.00	3.11	1.45	71.76	" "
8.46	10.00	11.41	2.50	2.95	4.00	3.10	1.50	72.58	" "
9.50	11.00	15.80	4.00	3.89	4.00	5.17	2.30	63.34	" "
8.64	16.00	16.80	3.00	4.30	15.00	15.09	7.85	47.32	A.
6.75	50.00	50.28	6.00	10.79	3.00	3.01	27.14	2.03	As declared on sack.
6.01	50.00	52.39	6.00	11.64	3.00	3.08	25.95	.93	" "
9.79	20.00	18.95	5.00	5.61	6.00	6.34	11.75	47.56	" "
10.04	13.00	13.60	4.50	3.79	5.50	8.23	5.93	58.41	" "
11.72	14.00	13.16	5.00	3.31	6.00	2.88	2.67	66.26	" "
8.49	9.00	9.65	4.00	4.80	3.00	4.83	2.25	69.98	" "
8.72	18.00	19.13	5.00	4.95	8.50	6.46	10.46	50.28	B.
9.33	15.00	16.23	4.00	4.15	5.00	4.46	6.93	58.90	As declared on sack.
6.78	45.00	43.35	8.00	17.41	2.00	2.37	30.02	.07	" "
6.47	58.00	62.13	4.00	5.16	1.75	.44	17.00	8.80	" "
7.54	58.00	57.83	4.00	7.39	1.75	1.27	16.70	9.27	" "
6.77	45.00	45.46	5.00	4.13	2.00	2.93	36.05	4.66	" "
9.01	20.00	20.18	4.00	5.01	7.00	6.37	10.75	48.68	" "
11 25	10.00	10.00	2.50	3.08	5.00	2.81	1.70	71.16	" "
8.45	20.00	21.24	4.00	4.52	10.00	10.40	6.30	49.09	C.
9.96	20.00	21.32	4.00	4.59	10.00	6.80	8.72	48.61	As declared on sack.
8.40	20.00	24.22	5.00	5.30	14.00	9.81	10.52	41.75	" "
7.32	18.00	21.67	5.00	4.63	12.00	7.12	8.45	50.81	D.
----	33.00	33.17	.25	x2.02	----	----	7.72	----	As declared on sack.
6.57	55.00	55.64	5.00	8.91	3.00	1.82	28.10	----	" "

A—Unable to detect Dried Grains. Also detected Molasses.
B—Also detected Ground Oyster Shell.
C—Also detected Molasses.
D—Ingredients on sack differ from license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Molaso Meal and Manufacturing Co., Baltimore, Md.	
Molaso Meal	Baltimore
Molaska Corp., Elizabeth, N. J.	
‡Molaska Pure Cane Powdered Molasses	Baltimore
Mt. Airy Milling Co., Mt. Airy, Md.	
Lamore Egg Mash	Mt. Airy
Husky Growing Mash	Mt. Airy
Pure Wheat Bran	Mt. Airy
‡Pure Wheat Bran	Sykesville
Winter Wheat Bran, with Ground Screenings N.Ex.M.R.	Frederick
Winter Wheat Middlings, with M.R.S.	Mt. Airy
Winter Wheat Middlings, with M.R.S.	Mt. Airy
Husky Starter Mash	Mt. Airy
Mutual Rendering Co., Inc., Philadelphia, Pa.	
Mureco Meat Scrap	Rising Sun
Mureco Meat and Bone	Mardela Springs
Mureco Meat and Bone	Cambridge
Mureco Meat and Bone	Denton
National Milling Branch of National Biscuit Co., Toledo, Ohio	
Pure Wheat Bran	Baltimore
Namico	Baltimore
Namico	Gaithersburg
Tolio	Baltimore
New Richmond Roller Mills Co., New Richmond, Wis.	
‡Feeding Oatmeal	Westminster
O. A. Newton and Son Co., Bridgeville, Del.	
"Cedar View" Laying Mash	Hurlock
Northwestern Consolidated Milling Division of Standard Milling Co., Minneapolis, Minn.	
Pure Wheat Bran	Baltimore
Wheat Standard Middlings, with Ground Wheat Screen. N.Ex.M.R.	Baltimore
Northwestern Elevator and Mill Co., Mt. Vernon, Ohio	
Taylor's Wheat Middlings, with G.S.N.Ex.M.R.	Hagerstown
Norton and Co., Washington, D. C.	
Bone and Meat Scrap	Derwood
Nowak Milling Corp., Hammond, Ind.	
Domino 32% Mixing Dairy Feed	Barnesville
‡Domino 24½% Dairy Feed	Ellicott City
Cream-O-Lene Dairy Feed	Barnesville
*Domino Butterine Dairy Feed	Barnesville
‡Domino Butterine Dairy Feed	Ellicott City
Union Dairy Feed	Harmony Grove
‡Domino Egg Pel-ets	Ellicott City

‡Not licensed at time of sale.
*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.46	10.00	11.85	2.00	3.15	8.00	7.45	8.60	60.49	As declared on sack.
----	----	10.18	----	4.93	----	8.92	8.90	----	" "
7.97	18.00	21.50	5.50	5.27	8.00	8.56	11.85	44.85	A.
9.11	18.00	18.60	4.00	5.62	7.00	6.58	9.85	50.24	As declared on sack.
9.26	15.00	14.13	4.00	4.07	10.50	10.89	7.40	54.25	" "
10.17	15.00	14.59	4.00	4.25	10.50	9.11	6.50	55.38	" "
9.33	15.00	14.92	4.00	4.23	10.50	10.25	7.70	53.57	" "
9.18	16.00	15.62	4.00	4.88	6.00	5.44	4.10	60.78	" "
8.89	16.00	15.45	4.00	4.43	6.00	4.15	3.70	63.38	" "
10.57	15.00	15.27	4.00	4.74	6.00	3.87	5.20	60.35	" "
5.82	55.00	55.64	6.00	11.74	2.00	2.35	22.97	1.48	" "
6.25	50.00	51.07	6.00	8.95	2.00	1.63	30.15	1.95	" "
6.01	45.00	44.93	6.00	8.04	2.00	1.99	38.02	1.01	" "
6.69	45.00	46.33	6.00	11.57	2.00	1.84	33.41	.16	" "
9.87	14.00	15.27	3.00	4.94	10.00	11.78	6.10	52.04	" "
8.84	15.00	15.97	3.50	4.92	9.00	7.03	5.25	57.99	" "
10.06	15.00	16.06	3.50	5.07	9.00	6.97	5.05	56.79	" "
9.10	15.00	16.32	3.50	4.10	6.00	5.51	5.03	59.94	" "
9.50	15.00	16.85	5.00	5.90	3.75	2.74	2.55	62.46	" "
9.61	18.00	19.66	4.00	4.17	7.50	6.00	9.50	51.06	" "
10.08	14.00	17.38	4.00	4.92	12.00	10.47	6.82	50.34	" "
9.65	15.00	17.64	4.00	4.79	9.50	8.73	5.30	53.89	" "
9.99	16.00	16.15	4.00	4.12	8.00	8.33	4.60	56.81	" "
6.88	50.00	50.02	8.00	8.73	2.00	2.11	32.00	.26	" "
9.26	32.00	33.62	4.00	4.13	9.00	8.91	9.46	34.62	" "
9.00	24.50	25.62	4.50	4.45	9.00	8.16	5.34	47.43	" "
10.04	24.00	24.04	4.00	4.02	12.00	10.77	11.63	39.50	" "
10.90	17.00	19.31	4.00	2.98	12.00	11.12	10.37	45.32	" "
9.88	17.00	20.38	4.00	4.29	12.00	10.06	10.45	44.94	" "
10.54	16.00	19.75	3.00	4.31	14.00	10.51	12.21	42.68	" "
7.70	20.00	20.80	4.50	5.56	7.50	7.62	9.00	49.32	" "

A—Protein guarantee and Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Nowak Milling Corp., Hammond, Ind. (Continued)	
Export Laying Mash	Harmony Grove
‡Domino Laying Mash	Ellicott City
Marathon Laying Mash	Harmony Grove
Domino N-K Pel-ets	Harmony Grove
Domino All Mash Ration	Harmony Grove
‡Domino Growing Mash	Ellicott City
‡Domino Growing Pel-ets	Ellicott City
Domino Growing Pel-ets	Harmony Grove
Domino Growing Pel-ets	Ellicott City
Domino Dou-fold Pel-ets	Harmony Grove
Domino Broiler Ration	Harmony Grove
Marathon Poultry Fattener	Harmony Grove
Marathon Poultry Fattener	Baltimore
Domino Pep-O-Lene Horse Feed	Harmony Grove
‡Domino Vim-O-Lene Horse Feed	Ellicott City
Domino Chick Pel-ets	Harmony Grove
‡Domino Chick Feed	Ellicott Ciry
‡Fidelity Scratch Feed	Ellicott City
‡Domino Rabbit Pel-ets	Ellicott City
Domino All-In-One Rab-ets	Baltimore
Domino All-In-One Rab-ets	Harmony Grove
Nuttle Milling Co., Denton, Md.	
Ideal Laying Mash, with Cod Liver Oil	Denton
Ideal Growing Mash, with BM. and Cod Liver Oil	Denton
Ideal Hog Feed	Denton
Pure Wheat Bran	Denton
Pure Wheat Middlings	Denton
Ideal Chick Starter, with BM. and Cod Liver Oil	Denton
Ideal Turkey Mash, with Cod Liver Oil and BM.	Denton
Geo. F. Obrecht, Inc., Baltimore, Md.	
Obrecht's Laying Mash	Baltimore
Obretch's O-Lay Mash	Baltimore
Obrecht's Poultry Fatner	Baltimore
Obrecht's Starter and Growing Feed	Baltimore
Oldetyme Distillers, Inc., Cedarhurst, Md.	
*Distillers Dried Grains from Rye	Hampstead
Otterdale Milling Co., Taneytown, Md.	
*Pure Wheat Bran	Taneytown
Pure Wheat Middlings	Taneytown
A. Overholt and Co., Inc., Broad Ford, Pa.	
Overco Feed	Maugansville
Owings Brothers, York, Pa.	
June Bug 22% Dairy Feed	Jarrettsville
16% Dairy Feed	Jarresttville
June Bug Laying Mash, with Cod Liver Oil	Jarrettsville
June Bug Growing Mash, with BM. and Cod Liver Oil	Jarrettsville

‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.37	17.00	20.45	3.50	4.03	7.50	7.01	7.50	51.64	As declared on sack.
8.94	20.00	20.18	4.00	4.70	8.00	5.97	9.76	50.45	" "
7.39	18.00	18.78	3.50	3.90	7.50	6.38	11.35	52.20	" "
8.09	20.00	20.71	4.50	5.82	7.50	7.50	9.80	48.08	" "
6.12	16.00	15.97	4.00	4.49	6.00	6.25	8.85	58.32	" "
8.73	18.00	19.48	4.50	5.17	6.00	5.54	13.40	47.68	" "
9.28	15.00	15.27	4.50	4.47	5.50	5.79	9.05	56.14	" "
8.56	15.00	16.32	4.50	4.48	5.50	5.11	9.10	56.43	" "
9.99	15.00	15.36	4.50	5.53	5.50	5.30	9.38	54.44	" "
7.98	15.00	16.76	4.50	5.96	6.50	7.24	7.10	54.96	" "
9.38	16.00	17.64	4.00	4.98	6.50	5.25	10.00	52.75	" "
10.02	13.50	14.74	4.00	5.17	7.00	5.12	2.80	62.16	" "
8.19	13.50	14.48	4.00	4.58	7.00	5.91	2.60	64.24	" "
10.42	9.00	10.00	3.00	2.86	10.00	10.07	5.23	61.42	" "
9.73	9.50	11.85	3.00	3.84	9.00	6.43	3.24	64.91	" "
6.98	18.00	18.25	4.00	4.85	5.00	4.92	8.30	56.70	" "
9.65	11.00	12.90	2.00	4.87	3.00	2.21	2.15	68.22	" "
10.48	10.00	11.58	2.00	2.79	4.00	3.37	1.85	69.93	" "
9.60	12.00	13.16	4.00	4.18	10.00	9.70	9.10	54.26	" "
7.69	12.00	12.02	3.00	2.94	16.50	14.44	7.80	55.11	" "
7.52	12.00	12.99	3.00	2.94	16.50	14.89	8.65	53.01	" "
8.17	20.00	19.92	5.00	6.11	8.00	8.50	12.75	44.55	" "
9.19	15.00	15.09	4.00	5.83	6.00	4.90	9.27	55.72	" "
9.73	12.00	15.97	5.00	4.91	6.00	3.72	7.64	58.03	" "
10.56	12.00	13.51	3.00	3.99	7.00	8.53	6.40	57.01	" "
9.63	12.00	12.55	2.00	2.88	4.00	2.04	2.08	70.82	" "
8.67	15.00	15.45	4.50	5.49	5.00	4.15	6.52	59.72	" "
8.76	18.00	18.08	4.50	7.27	8.00	7.08	8.78	50.03	" "
9.65	20.00	20.01	4.00	5.31	9.00	6.27	9.95	48.81	" "
8.52	18.00	18.69	3.00	5.79	9.00	6.70	10.15	50.15	" "
10.66	13.00	14.74	4.50	4.53	6.00	5.22	7.35	57.50	" "
8.66	16.00	16.41	4.00	6.11	7.00	5.40	8.15	55.27	" "
6.35	20.00	19.91	6.00	5.49	15.00	14.48	3.88	49.89	" "
9.62	16.00	14.04	3.50	3.79	9.50	9.82	7.35	55.38	" "
9.94	15.00	15.01	2.50	4.53	3.00	4.74	4.50	61.28	" "
8.20	15.00	16.94	4.00	4.75	18.00	19.05	1.95	49.11	" "
7.97	22.00	24.31	4.00	4.57	11.00	10.51	8.40	44.24	" "
10.04	16.00	18.46	3.00	3.59	12.00	11.24	9.81	46.86	" "
6.77	20.00	20.18	4.00	6.66	9.00	7.61	15.55	43.23	A.
8.01	17.50	19.39	4.50	6.24	7.00	4.71	9.95	51.70	As declared on sack.

A—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Owings Brothers, York, Pa, (Continued)	
June Bug Baby Chick Starter, With Cod Liver Oil	Jarrettsville
June Bug Scratch Feed	Jarrettsville
Owings Mills Distillery Inc., Owings Mills, Md.	
Owings Mills Feed	Taneytown
Park and Pollard Co., Buffalo, N. Y.	
Manamar Dairy Mixing Ration	Walkersville
Bidwell 24% Dairy Ration	Walkersville
‡Top Notch 16% Ration	Walkersville
Lay or Bust Dry-Mash	Princess Anne
Manamar Lay or Bust Mash	Walkersville
Park and Pollard Starter and Broiler Mash	Walkersville
Manamar Fitting Ration	Walkersville
Manamar Complete Life Cycle Mash	Walkersville
Park and Pollard Chick Scratch	Princess Anne
Bidwell Scratch Feed	Princess Anne
Park and Pollard Economy Scratch	Walkersville
Park and Pollard Economy Scratch	Baltimore
Pigeon Feed	Princess Anne
H. G. Payne, Snow Hill, Md.	
Payne's Laying Mash	Snow Hill
Payne's Growing Mash	Snow Hill
Payne's Starting Mash	Snow Hill
Pecos Valley Alfalfa Mill Co., Hagerman, N. M.	
Peevee Alfalfa Leaf Meal	Baltimore
Peevee Alfalfa Leaf Meal	Westminster
Velvet Meal	Hampstead
Alfalfa Meal	Hampstead
Penick and Ford Ltd., Inc., Cedar Rapids, Iowa	
Douglas Corn Gluten Meal	Baltimore
Douglas Corn Gluten Feed	Baltimore
Penn Grains and Feed Co., Philadelphia, Pa.	
"Peerless" Brewer's Dried Grains	Cambridge
Pillsbury Flour Mills Co., Minneapolis, Minn.	
Pillsbury's X X Daisy	Baltimore
Maurice Pincoffs Co., Houston, Texas	
Maurice Pincoffs Co's 41% Protein Cottonseed Meal	Sykesville
Planters Edible Oil Co., Suffolk, Va.	
Planters' 41% Protein Peanut Meal	Darlington
Planters' "38" Peanut Meal	Baltimore
‡Planters' "38" Peanut Meal	Jarrettsville
Potomac Mills, Hancock, Md.	
Pure Wheat Bran	Hancock
†Pure Wheat Middlings	Hancock

†Deficient in both protein and fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.79	14.00	14.74	4.00	5.01	4.00	3.44	5.40	61.62	As declared on sack.
10.09	9.00	10.35	2.50	2.89	4.00	3.39	1.80	71.48	B.
7.96	16.00	17.11	5.00	5.75	20.00	15.48	3.25	50.45	C.
8.01	26.00	25.71	4.00	5.07	9.00	7.40	10.57	43.24	As declared on sack.
8.51	24.00	24.34	3.50	4.18	11.00	6.90	9.07	47.00	" "
7.76	16.00	16.10	3.50	4.31	11.00	8.25	9.10	54.48	" "
8.69	18.00	17.99	3.00	4.28	7.00	7.07	10.00	51.97	" "
8.42	18.00	20.53	3.50	4.16	6.00	6.32	13.45	47.12	" "
8.45	18.00	18.60	4.00	5.04	6.00	6.65	8.65	52.61	" "
11.30	12.00	14.00	3.50	3.57	7.00	8.75	7.51	54.87	" "
7.25	16.00	17.72	3.50	4.59	6.00	6.66	12.00	51.78	" "
11.48	10.00	11.14	3.00	3.58	3.00	1.78	2.10	69.92	" "
11.82	10.00	10.18	1.50	2.38	5.00	2.63	1.35	71.64	" "
11.81	10.00	10.83	1.50	2.32	5.00	3.17	1.94	69.93	" "
10.95	10.00	10.88	1.50	2.07	5.00	3.60	1.40	71.10	" "
11.07	12.00	17.55	1.50	2.09	5.00	3.48	2.20	63.61	" "
8.69	19.00	20.18	4.50	5.58	7.00	7.26	10.65	47.64	" "
8.65	16.00	20.97	4.00	4.95	7.00	6.65	9.30	49.48	" "
8.06	15.00	22.11	4.00	5.39	6.00	8.82	11.05	44.57	" "
6.29	20.00	20.27	2.50	2.40	18.00	19.50	12.75	38.79	" "
6.54	20.00	20.01	2.50	2.35	18.00	21.79	11.75	37.56	" "
6.06	17.00	17.38	1.50	2.32	23.00	27.91	10.60	35.73	" "
7.45	13.00	12.72	1.50	1.53	33.00	32.68	8.90	36.72	" "
7.49	43.00	44.23	1.00	3.04	4.00	3.45	2.50	39.29	" "
8.78	25.00	26.76	1.50	1.67	8.50	8.44	6.80	47.55	" "
9.50	26.00	27.20	6.00	5.89	18.00	13.49	3.85	40.07	" "
10.18	16.00	17.90	4.00	3.92	4.00	3.21	3.25	61.54	" "
6.77	41.00	40.90	5.00	6.60	14.00	12.60	5.65	27.48	" "
6.45	41.00	41.51	6.00	10.98	10.00	4.40	5.20	31.46	" "
7.15	38.00	39.66	6.00	9.02	10.00	5.10	5.98	33.09	" "
5.81	38.00	39.93	6.00	8.84	10.00	5.15	6.40	33.87	" "
9.20	14.00	14.04	3.50	3.17	10.00	5.97	4.05	63.57	" "
9.50	14.00	11.85	3.50	2.74	6.00	1.47	1.95	72.49	" "

A—Also detected Oats.
B—Protein ; Fat and Fibre guarantee on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Pratt Food Co., Buffalo, N. Y.	
Pratt's Sweet 32% Dairy Feed	Ellicott City
Pratt's Sweet 24% Dairy Feed	Baltimore
Utility Sweet 24% Dairy Feed	Ellicott City
Pratt's B-P Dairy Feed	Baltimore
Pratt's B-P Dairy Feed	Centreville
Pratt's Sweet 20% Dairy Feed	Chestertown
Pratt's Sweet 16% Dairy Feed	Baltimore
‡Pratt's All Mash Laying Ration, with BM.	Ellicott City
Pratt's Laying Mash, with BM.	Ellicott City
Pratt's Laying Mash, with BM.	Berwyn
Pratt's Cak Cak Egg Mash, with BM., Meat, Fish, etc.	Berwyn
Pratt's Growing Mash, with BM.	Baltimore
Pratt's Growing Mash, with BM.	Ellicott City
Utility Growing Mash	Baltimore
Pratt's Broiler Mash, with BM.	Ellicott City
Pratt's Fattening Mash, with BM.	Ellicott City
Utility Starter and Grower, with BM.	Ellicott City
Pratt's Horse Feed, with Alfalfa	Baltimore
Pratt's Utility Horse Feed	Ellicott City
‡Pratt's Sugared Hog Feed	Ellicott City
Pratt's All Mash Chick Starter, with BM.	Baltimore
Pratt's Baby Chick Food, with BM.	Centreville
Pratt's Circle A. Scratch Feed	Ellicott City
Pratt's Intermediate Scratch Feed	Baltimore
‡Pratt's Pigeon Feed No Corn	Baltimore
Pratt's Turkey Starter, with BM.	Centreville
Pratt's Complete Rabbit Pellets, with BM.	Baltimore
Pratt's Rabbit Pellets, with BM.	Baltimore
Pratt's Rabbit Pellets, with BM.	Baltimore
Princess Anne Milling Co., Princess Anne, Md.	
Pure Wheat Bran	Princess Anne
Pure Wheat Middlings	Princess Anne
Procter and Gamble Distributing Co., Cincinnati, Ohio	
P. & G. Cocoanut Oil Meal	Hagerstown
Quaker City Flour Mills Co., Philadelphia, Pa.	
Winter Wheat Bran, with Ground Screeings N.Ex.M.R.	Princess Anne
Quaker Oats Co., Chicago, Ill.	
Quaker 24% Protein Dairy Ration	Baltimore
Quaker 20% Protein Dairy Ration	Baltimore
Quaker 16% Protein Dairy Ration	Baltimore
Quaker Schumacher Feed	Baltimore
Quaker Ful-O-Pep Egg Mash	Owings Mills
Quaker Ful-O-Pep Egg Mash	Baltimore
Big Egg Laying Mash	Baltimore
Quaker Ful-O-Pep Growing Mash	Owings Mills
Quaker Ful-O-Pep Growing Mash	Baltimore
Quaker Green Cross Horse Feed	Baltimore
Yellow Hominy Feed	Baltimore

‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.34	32.00	34.11	4.50	4.57	9.00	7.68	9.05	36.25	As declared on sack.
7.57	24.00	25.67	4.00	3.98	9.00	7.93	9.14	45.71	" "
10.34	24.00	24.16	4.00	3.98	8.00	8.04	7.68	45.80	" "
9.00	21.00	23.36	4.00	3.80	10.00	7.39	7.55	48.90	" "
9.30	21.00	23.30	4.00	3.97	10.00	6.85	8.28	48.30	" "
11.15	20.00	20.26	3.50	3.50	12.00	10.71	8.63	45.75	" "
8.31	16.00	18.60	3.50	3.05	12.00	9.15	9.84	51.05	" "
9.19	16.50	17.99	4.50	5.39	7.00	5.27	8.20	53.96	" "
9.15	20.00	21.59	4.50	5.87	6.75	6.56	8.65	48.18	" "
9.42	20.00	22.29	4.50	5.37	6.75	6.30	9.45	47.17	" "
9.56	18.00	17.99	4.00	5.74	8.00	6.91	6.60	53.20	" "
8.09	17.50	17.72	4.00	4.81	6.00	6.29	9.45	53.64	" "
8.00	17.50	17.46	4.50	5.89	6.00	6.43	9.40	52.82	" "
8.39	16.00	17.72	4.00	5.47	6.00	5.57	6.78	56.07	" "
9.95	16.50	17.20	4.50	5.00	6.00	6.03	7.87	53.95	" "
9.66	14.00	15.80	4.50	5.62	5.00	5.19	3.98	59.75	" "
9.65	16.00	17.90	3.50	4.38	6.50	4.49	10.10	53.48	" "
10.58	9.00	12.32	2.50	2.93	14.00	9.04	8.65	56.48	" "
10.77	7.50	8.72	2.00	2.65	11.00	9.95	2.62	65.29	" "
11.08	17.00	18.32	4.50	4.70	10.00	8.04	7.87	49.99	A.
7.96	16.00	16.50	4.00	5.10	4.00	3.87	6.80	59.77	As declared on sack.
8.49	16.00	17.11	3.50	4.57	4.00	4.11	8.95	56.77	" "
10.56	10.00	12.46	2.00	2.66	4.00	2.83	1.60	69.89	" "
10.54	10.00	11.06	2.00	2.64	4.00	2.34	1.90	71.52	" "
9.92	12.00	12.81	2.00	2.45	4.00	3.90	1.80	69.12	" "
8.95	25.00	25.27	4.50	4.51	6.00	5.48	14.05	41.74	" "
9.61	14.00	15.62	2.00	3.41	20.00	18.70	7.95	44.71	" "
8.08	14.00	16.32	3.00	3.81	10.00	7.06	6.53	58.20	" "
8.35	14.00	15.97	3.00	4.48	10.00	7.69	6.80	56.71	" "
9.98	14.00	14.04	3.50	3.69	9.00	8.58	6.80	56.91	" "
11.00	13.00	13.16	3.50	3.32	10.00	3.49	2.85	66.18	" "
7.19	20.00	19.57	5.00	8.41	11.00	18.20	6.80	39.83	" "
10.18	14.00	14.57	3.00	4.35	10.50	9.46	6.45	54.99	B. " "
9.63	24.00	24.23	3.50	3.85	12.00	11.67	8.45	42.17	As declared on sack.
10.13	20.00	20.19	3.00	3.54	12.00	11.25	7.64	47.25	" "
11.00	16.00	17.98	3.00	3.14	13.50	11.44	7.23	49.21	" "
9.14	10.00	11.08	3.00	3.26	12.00	9.74	5.97	60.81	" "
8.79	20.00	20.26	4.50	6.50	8.00	5.93	8.50	50.02	" "
8.58	20.00	20.25	4.50	5.81	8.00	6.58	8.44	50.34	" "
9.44	18.00	18.03	4.00	5.50	8.00	7.40	6.48	53.15	" "
8.51	19.00	19.11	5.00	6.59	6.00	5.77	7.25	52.77	" "
8.55	19.00	18.97	5.00	4.99	6.00	6.08	7.36	54.05	" "
9.50	10.00	10.41	2.50	2.76	12.00	10.23	5.93	61.17	" "
7.23	10.00	11.85	5.00	5.23	5.00	4.93	3.45	67.31	" "

A—Also detected Wheat Bran.
B—Protein guarantee on sack differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Quaker Oats Co., Chicago, Ill. (Continued)	
Big Egg Chick Starter-Growing Mash	Cumberland
Quaker Ful-O-Pep Chick Starter	Owings Mills
Quaker Ful-O-Pep Chick Starter	Baltimore
Quaker Ful-O-Pep Fine Chick Feed	Baltimore
Quaker Ful-O-Pep Coarse Chick Feed	Baltimore
Early Bird Fine Chick Feed	Baltimore
‡Early Bird Scratch Grains	Baltimore
Quaker Full-O-Pep Scratch Grains	Baltimore
Queen Anne Roller Mill, Queen Anne, Md.	
Queen Anne Poultry Mash	Queen Anne
Pure Wheat Bran	Queen Anne
Pure Wheat Middlings	Queen Anne
Ralston Purina Co., St. Louis, Md.	
Purina Milking Cow Chow 24%	Mt. Airy
Protena 16% Dairy Feed (Buffalo Mill)	Cumberland
Purina Dry and Freshening Cow Chow	Westminster
Purina Bulky Las Chow (Buffalo Mill)	Baltimore
Purina Layena (Complete Ration)	Baltimore
Purina Layene (Complete Ration)	Cumberland
Purina Lay Chow	Cumberland
Purina Hen Chow	Baltimore
Purina Omolene	Baltimore
Purina Steer Fatena	Westminster
Purina Pig and Hog Chow	Baltimore
Purina Heifer Growing Chow	Baltimore
Purina Calf Starting Chow	Taneytown
Purina Broiler Chow	Mt. Airy
Purina Chick Growena	Baltimore
Purina Chick Growena	Laurel
Purina Chick Startena	Mt. Airy
Purina Chick Startena	Baltimore
Purina Chick Chow (Fine)	Baltimore
Purina Chick Chow (Coarse)	Baltimore
Protena Scratch Feed	Baltimore
Purina Turkey Growing and Fattening Chow	Baltimore
Purina Turkey Startena	Hagerstown
Purina Rabbit Chow (Complete Ration) (Buffalo Mill)	Baltimore
Red Lion Milling Co., Red Lion, Pa.	
‡*Pure Winter Flour Middlings	Westminster
A. F. Rees, Inc., Hanover, Pa.	
Rees Meat Scrap	Frederick
Rees Meat Scrap	Westminster
Reindollar Co., Taneytown, Md.	
32% Hi-Concentrate	Taneytown
20% Dairy Ration	Taneytown
16% Sweet Dairy Feed	Taneytwon
Egg Mash	Taneytown

‡Not licensed at time of sale.
*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.97	17.00	17.02	4.00	4.76	8.00	8.14	6.73	55.38	As declared on sack.
8.21	17.00	16.70	5.00	6.32	7.00	6.02	5.59	57.16	" "
9.30	17.00	16.86	5.00	5.74	7.00	5.42	5.80	56.88	" "
11.18	11.00	12.81	2.50	2.42	2.00	2.32	1.55	69.72	" "
10.54	10.00	10.53	2.00	2.46	2.50	1.93	1.30	73.24	" "
10.69	10.00	11.93	2.00	2.12	2.00	2.57	2.00	70.69	" "
11.04	9.50	10.53	2.00	2.56	3.50	2.44	1.50	71.93	" "
11.06	9.00	10.88	2.00	2.38	3.00	2.51	1.50	71.67	" "
8.45	19.00	19.13	5.00	5.64	7.00	6.23	9.95	50.60	" "
10.04	14.00	14.04	3.00	4.92	9.00	9.01	6.45	55.54	" "
9.15	13.00	13.78	3.00	4.42	6.00	3.73	3.50	65.42	" "
10.18	24.00	24.86	4.00	5.43	12.00	9.39	9.00	41.14	" "
10.74	16.00	17.41	3.50	3.69	14.00	9.62	9.38	49.16	" "
10.54	12.50	15.26	2.50	2.78	14.00	11.96	10.66	48.80	" "
10.44	9.00	12.58	1.30	2.48	15.00	11.43	10.66	52.41	" "
9.27	15.50	17.02	3.50	5.00	8.00	5.00	9.45	54.26	" "
10.90	15.50	16.67	3.50	4.69	8.00	5.51	10.30	51.93	" "
10.27	19.00	19.82	3.50	4.86	8.00	6.41	10.22	48.42	" "
8.91	10.00	10.97	2.50	3.09	4.00	2.75	1.70	72.58	" "
10.22	10.00	12.18	3.20	3.75	9.00	8.42	4.95	60.48	" "
12.19	12.00	16.98	2.00	3.46	10.00	7.88	8.05	51.44	" "
8.99	36.00	37.04	3.00	4.73	14.00	9.61	10.33	29.30	" "
8.01	14.00	17.03	2.50	3.61	14.00	8.80	9.34	53.21	" "
8.12	27.00	30.71	3.20	3.99	5.00	3.92	5.70	47.56	" "
8.45	18.00	20.18	4.00	5.00	7.00	5.93	7.55	52.89	" "
10.88	15.00	15.27	3.50	4.92	7.00	6.35	6.00	56.58	" "
9.32	15.00	16.41	3.50	5.31	7.00	6.45	6.05	56.46	" "
8.65	18.00	20.71	4.00	5.23	7.00	5.40	8.05	51.96	" "
7.96	18.00	20.53	4.00	5.91	7.00	4.81	7.40	53.39	" "
10.39	10.00	10.88	2.00	2.61	4.00	1.90	1.60	72.62	" "
10.68	10.00	10.71	2.50	2.54	4.00	2.45	1.35	72.27	" "
9.07	9.50	10.88	2.00	3.04	4.00	3.03	1.60	72.38	" "
8.01	21.00	22.76	3.50	5.45	8.00	5.22	7.61	50.95	" "
8.65	26.00	28.52	4.50	6.91	6.00	4.86	8.20	42.86	" "
10.27	13.50	16.90	2.50	3.79	16.00	9.64	6.34	53.06	" "
11.55	15.00	14.39	5.00	3.16	4.70	4.56	2.89	63.45	" "
5.76	55.00	55.90	10.00	11.00	2.25	2.42	22.50	2.42	" "
6.15	50.00	51.78	10.00	12.29	2.25	2.04	25.85	1.89	" "
6.49	32 00	32.82	4.00	5.19	12.00	10.53	8.20	36.77	" "
7.18	20.00	21.94	4.00	3.79	12.50	9.97	9.00	48.12	" "
10.28	16.00	17.02	3.00	3.66	11.00	13.24	7.06	48.74	" "
7.67	20.00	20.01	4.00	6.03	8.00	6.82	13.10	46.37	" "

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Reiddollar Co., Taneytown, Md. (Continued)	
Growing Mash	Taneytown
Pig and Hog Meal	Taneytown
Pure Winter Wheat Bran	Taneytown
Winter Wheat Middlings, with M.R.S.	Taneytown
Scratch Grains	Taneytown
Richardson Brothers, Westminster, Md.	
*Richbro Walck Laying Mash	Westminster
‡Richbro Growing Mash	Westminster
Richbro Hog and Pig Meal	Westminster
‡Richbro Baby Chick Starter	Westminster
Richards Milling Co., Cortland, Ohio	
Richards Cash Dairy Feed	Cumberland
*Richards 16% Dairy Feed	Cumberland
Richard's Cash Laying Mash	Cumberland
*Richards Thrift Growing Mash	Cumberland
Richards Hog Meal	Cumberland
Soft Winter Pure Wheat Bran	Cumberland
Richards Special Chop	Cumberland
Cortland Scratch Grains	Cumberland
Daniel Rider, Baltimore, Md.	
‡Winner 20% Dairy Feed	Baltimore
‡Winner 16% Dairy Feed	Baltimore
‡Winner Horse Feed	Baltimore
Rinaman and Brown, Hampstead, Md.	
Brown's Egg Mash	Hampstead
River Falls Co-operative Creamery Co., River Falls, Wis.	
‡Kinnickinnic Dried Skim Milk	Berlin
Robinson Brothers, Cardiff, Md.	
‡Robinson's 32% Dairy Ration	Cardiff
*‡Robinson's 24% Dairy Ration	Cardiff
‡Robinson's 20% Dairy Ration	Darlington
*‡Robinson's Laying Mash	Cardiff
Robinson and Jackson, Baltimore, Md.	
Rob-Jack Brand Special Rye Distillers Grains	Baltimore
Rodney Milling Co., Kansas City, Mo.	
‡Pure Wheat Bran	Hampstead
C. E. Routzahn and Co., Breathedsville, Md.	
‡Dairy Feed	Breathedsville
‡Laying Mash	Breathedsville
‡Hog Feed	Breathedsville
‡Pure Wheat Bran	Breathedsville
*‡Pure Wheat Middlings	Breathedsville
Starter and Grower	Breathedsville

‡Not licensed at time of sale.
*Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.20	16.50	17.11	4.50	5.03	7.00	6.26	9.25	55.15	As declared on sack.
8.73	16.50	17.29	4.50	4.31	7.00	6.71	8.20	54.76	A.
7.99	14.00	14.57	4.00	4.41	9.00	11.06	7.30	54.67	As declared on sack.
8.98	16.00	15.09	4.50	4.36	5.00	4.73	4.10	62.74	" "
10.73	9.00	9.65	2.00	3.09	5.00	2.96	1.72	71.85	" "
10.45	20.00	21.06	5.00	4.46	9.00	8.02	9.55	46.46	" "
10.63	16.00	17.11	4.50	4.91	4.50	4.64	8.10	54.61	" "
8.49	15.00	16.15	5.00	5.06	7.00	7.20	6.15	56.95	" "
10.36	12.50	14.39	4.00	4.15	3.25	4.24	6.40	60.46	" "
8.00	24.00	23.35	4.50	4.09	10.00	9.97	6.49	48.10	B.
10.06	16.00	16.03	4.00	3.10	12.00	12.21	6.71	51.89	As declared on sack.
8.54	20.00	19.74	3.00	4.63	6.90	6.63	7.60	52.86	" "
9.39	18.00	16.15	3.00	4.67	6.00	10.96	9.21	49.62	" "
7.56	16.00	17.02	4.00	4.93	8.00	6.37	8.55	55.57	C.
9.38	15.00	16.76	3.50	3.64	10.00	10.20	5.75	54.27	As declared on sack.
8.95	8.00	8.60	3.00	3.44	12.00	8.49	4.80	65.72	" "
10.18	9.00	9.65	2.50	2.75	6.00	2.68	1.55	73.19	D.
8.24	20.00	22.28	4.00	4.64	11.00	7.49	8.04	49.31	As declared on sack.
9.07	16.00	17.53	3.00	2.98	11.00	11.12	6.59	52.71	" "
11.49	9.00	9.40	2.00	2.96	9.00	9.04	4.04	63.07	" "
8.18	20.00	20.62	4.50	4.37	8.00	8.82	8.35	49.66	" "
----	32.00	32.29	1.00	x1.22	----	----	8.28	----	" "
7.59	32.00	32.79	5.00	5.28	9.50	11.04	7.98	35.32	" "
9.61	24.00	24.53	5.00	4.38	10.00	10.67	8.50	42.31	" "
9.76	20.00	21.83	4.50	4.11	10.00	10.22	6.97	47.11	" "
10.78	20.00	20.65	4.75	4.15	10.00	7.80	13.70	42.92	" "
9.90	20.00	20.01	5.00	5.04	16.00	14.67	4.01	46.37	" "
10.01	15.50	15.80	3.00	4.31	10.00	10.61	7.55	51.72	E. " "
9.99	16.00	16.41	3.00	4.80	8.00	6.69	4.81	57.30	F.
10.21	16.00	15.80	4.00	4.83	7.00	6.63	11.40	51.13	G.
8.79	17.00	17.20	4.00	3.72	5.00	3.16	7.67	59.46	H.
10.54	15.00	14.57	4.00	4.77	8.00	8.85	6.40	54.87	As declared on sack.
10.98	15.00	11.58	3.00	2.59	3.00	.97	1.65	72.23	" "
10.39	15.00	15.45	4.00	4.35	6.00	6.14	9.30	54.37	" "

A—Also detected Beet Pulp.
B—Ingredients on sack differ from license.
C—Also detected Corn Gluten Meal and Ground Oats.
D—Ingredients on sack differ form license—also detected Barley.
E—Protein guarantee on sack differs from license.
F—No ingredients on sack—also detected Corn Gluten Meal.
G—No ingredients on sack.
H—No ingredients on sack—also detected Mineral Mixture.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM	
Rowlandville Flour Mills, Rowlandville, Md.		
*Pure Wheat Bran	Rowlandville	9
Pure Gray Shorts	Rowlandville	11
Russell-Miller Milling Co., Minneapolis, Minn.		
Hard Wheat Occident Standard Middlings	Hampstead	10
Hard Wheat Occident Standard Middlings	Keymar	10
Ryde and Co., Chicago, Ill.		
Melkcentrate	Denton	7
Melkcentrate	Frederick	6
St. Michaels Milling Co., St. Michaels, Md.		
Quillin's Growing Mash, with BM. and Cod Liver Oil	St. Michaels	8
Pure Wheat Bran	St. Michaels	10
Wheat Flour Middlings	St. Michaels	10
Quillin's Scratch Feed	St. Michaels	10
Quillin's Turkey Starter, with Cod Liver Oil	St. Michaels	7
Saunders Mills, Inc., Toledo, Ohio		
*Velvet Brand Alfalfa Meal	Baltimore	8
Alfalfa Meal	Baltimore	7
‡Alfalfa Meal	Mardela Springs	7
Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.		
Esskay Quality Soluble Blood	Frederick	6
Esskay Quality Soluble Blood	Frederick	7.
Esskay Quality Meat and Bone Scrap	Mt. Airy	6.
Esskay Quality Digester Meat Meal	Medford	8.
Esskay Quality Poultry Bone	Baltimore	5.
*Esskay Quality Digester Tankage	Frederick	6.
*Esskay Quality Digester Tankage	Baltimore	7.
Sea Board Supply Co., Philadelphia, Pa.		
‡S.B.S. Fish Meal	Cambridge	7.
‡*S.B.S. Fish Meal	Maugansville	6.
*S.B.S. Crab Meal	Breathedsville	5.
Charles H. Seward, Raspeburg, Md.		
Golden Glow Laying Mash	Raspeburg	9.
Golden Glow Growing Mash	Raspeburg	7.
Seward's Superior Scratch Grains	Raspeburg	11.
B. F. Sheesley and Son, Harrisburg, Pa.		
*Sheesley's Pure Col-Seed Oil Meal	White Hall	8.
Sherwood Roller Mills, Sandy Springs, Md.		
Pure Wheat Bran	Sandy Springs	8.
Pure Wheat Middlings	Sandy Springs	10.
Sherwin-Williams Co., Cleveland, Ohio		
‡Sherwin-Williams Co. 37% Pure Old Process Linseed Meal	Reid	7.
‡Sherwin-Williams Co. 34% Pure Old Process Linseed Meal	Hampstead	8.

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein Guaranteed	Protein FOUND	Fat Guaranteed	Fat FOUND	Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	Ingredients
9.97	14.00	14.22	4.00	3.50	9.00	9.51	6.73	56.07	As declared on sack.
11.04	15.00	15.01	4.50	4.47	6.00	5.66	4.13	59.69	" "
10.65	15.00	18.43	4.00	5.74	9.50	9.04	4.50	51.64	" "
10.54	15.00	19.04	4.00	5.82	9.50	9.33	4.85	50.42	" "
7.79	32.00	32.82	3.50	3.46	3.50	3.34	3.70	48.89	" "
6.85	32.00	32.99	3.50	3.56	3.50	3.63	4.14	48.83	"
8.51	16.00	16.32	4.00	5.34	6.00	6.25	7.97	55.61	" "
10.15	14.00	13.69	4.00	4.88	11.00	11.13	7.15	53.00	" "
10.21	14.00	13.95	4.00	4.70	6.00	4.88	3.90	62.36	" "
10.49	9.00	10.18	3.00	2.97	4.00	3.62	2.68	70.06	" "
7.81	22.00	22.38	4.50	5.80	7.00	4.60	9.60	49.81	" "
8.02	20.00	18.25	1.50	1.99	18.00	24.91	9.70	37.14	" "
7.56	13.00	13.08	1.50	1.84	33.00	34.93	7.30	35.29	" "
7.45	13.00	14.22	1.50	1.32	33.00	32.87	7.30	36.84	" "
6.28	83.00	84.60	.50	.73	5.00	1.01	4.55	2.83	" "
7.49	83.00	88.90	.50	.63	5.00	1.38	3.60	--	" "
6.08	50.00	52.30	6.00	8.10	5.00	2.59	30.85	.08	" "
8.65	46.00	45.63	10.00	11.91	5.00	2.14	36.55	----	" "
5.93	20.00	23.43	2.00	3.39	5.00	.40	76.75	----	" "
6.04	60.00	62.13	8.00	6.12	5.00	1.94	23.28	.49	" "
7.10	60.00	59.67	8.00	5.89	5.00	1.43	25.46	.45	" "
7.45	55.00	56.16	5.00	13.10	3.00	.87	24.30	----	" "
6.09	55.00	53.62	5.00	10.47	3.00	1.89	25.10	2.83	" "
5.10	28.00	25.18	1.00	1.46	8.00	10.52	56.78	1.17	" "
9.00	20.00	21.15	5.00	5.34	7.00	5.93	10.40	48.18	" "
7.25	16.00	16.85	5.00	5.87	7.00	6.50	10.20	53.33	" "
11.00	10.00	10.00	2.50	2.62	5.00	2.53	1.25	72.60	" "
8.63	34.00	33.52	10.00	7.01	10.00	10.09	6.48	34.27	" "
8.92	13.00	13.51	3.00	3.65	9.00	8.05	6.05	59.82	" "
10.41	13.00	12.47	3.00	2.76	6.00	2.17	3.71	68.48	" "
7.81	37.00	37.21	4.50	5.53	9.00	8.14	5.90	35.41	A. " "
8.25	34.00	37.82	4.50	6.34	9.00	7.88	5.45	34.26	B. " "

A—Acid insoluble Ash 0.35%.
B—Acid insoluble Ash 0.15%.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
H. R. Shockey, Goldsboro, Md.	
Goldsboro Home Mix Mash	Goldsboro
M. L. Shoemaker and Co., Inc., Philadelphia, Pa.	
Shoemaker's "Swift Sure" 55% Ground Beef Scrap for Poultry	Westminster
Shoemaker's "Swift Sure" 50% Ground Meat and Bone Scrap for Poultry	Pocomoke City
Shoemaker's "Swift Sure" 45% Ground Meat and Bone for Poultry	Salisbury
Sinton Brothers and Co., Baltimore, Md.	
"Guilford" Scratch Feed	Baltimore
D. P. Smelser and Son, New Windsor, Md.	
Pure Wheat Bran	New Windsor
Pure Wheat Middlings	New Windsor
H. Ray Smith, Doubs, Md.	
Lo-Cost Laying Mash	Doubs
Pure Wheat Bran	Doubs
Pure Wheat Middlings	Doubs
Lo-Cost Chick Starter	Doubs
Southern Cotton Oil Co., Goldsboro, N. C.	
Sco-Co Brand Soybean Meal	Snow Hill
‡Sco-Co Brand 41% Prime Quality Cottonseed Meal	Taneytown
Southern States Cooperative Mills, Inc., Baltimore, Md.	
32% Supplemental Dairy Feed	Westminster
Milk Maker	Sudlersville
Baltimore Special 24% Dairy	Laurel
Exchange Dairy	Sudlersville
20% Dairy	Easton
Legume Dairy	Centreville
16% Dairy	Easton
Laying Mash, with Alfalfa Meal	Easton
Market Laying Mash	Laurel
Thrift Laying Mash	Rocky Ridge
Super Laying Mash	Taneytown
Super Laying and Breeding Mash	Easton
Growing Mash	Easton
Starting and Growing Mash	Easton
Horse Feed	Laurel
Hog Feed	Laurel
Spencer Kellogg and Sons, Inc., Buffalo, N. Y.	
Kellogg's 37% Protein O.P. Linseed Meal	Hagerstown
A. E. Staley Manufacturing Co., Decatur, Ill.	
Staley's Soybean Oil Meal	Frederick
Staley's Corn Gluten Feed	Washington Grove
W. E. Stanton, Grantsville, Md.	
Stanton's Egg Mash	Grantsville

‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.60	19.00	19.31	5.00	5.88	8.00	7.75	4.25	53.21	As declared on sack.
6.35	55.00	57.92	6.00	12.03	3.00	2.88	24.60	----	" "
6.15	50.00	50.08	6.00	10.92	3.00	2.35	32.40	----	" "
6.10	45.00	45.02	6.00	10.01	3.00	1.94	36.10	.83	" "
10.66	9.00	9.21	2.50	3.17	4.00	2.79	2.40	71.77	" "
7.35	15.41	15.45	4.30	4.65	9.08	8.84	6.35	57.36	" "
8.49	15.40	15.18	3.45	4.19	3.78	3.87	3.60	64.67	" "
8.87	16.50	17.02	4.50	4.42	7.00	8.03	7.70	53.96	" "
9.66	13.00	14.04	3.00	3.62	10.00	8.20	5.85	58.63	" "
9.49	13.00	13.16	3.00	3.55	5.00	3.92	3.10	66.78	" "
10.18	15.00	16.23	5.00	4.85	5.50	5.03	9.55	54.16	" "
6.38	45.00	48.88	5.00	5.02	7.00	5.70	5.80	28.22	" "
6.01	41.00	41.07	5.00	7.81	13.00	10.00	7.75	27.36	" "
8.68	32.00	33.49	4.00	4.89	8.50	7.11	7.68	38.15	" "
10.11	24.00	25.64	4.00	3.91	8.50	6.56	7.82	45.96	" "
9.78	24.00	28.65	3.00	3.42	10.00	6.90	7.93	43.32	" "
9.81	20.00	22.32	4.00	4.16	8.50	7.78	7.72	48.21	" "
10.78	20.00	20.58	3.00	3.16	12.00	8.05	7.70	49.73	" "
8.70	18.00	20.18	4.00	4.17	8.50	7.96	8.23	50.76	" "
10.00	16.00	17.78	3.50	3.46	12.00	11.05	8.26	49.45	" "
8.13	20.00	20.80	4.00	5.49	7.00	6.69	9.90	48.99	" "
10.16	20.00	21.50	4.00	5.24	7.00	5.56	10.75	46.79	" "
8.97	19.00	19.83	4.00	4.38	6.00	6.04	9.70	51.08	" "
8.41	19.50	20.01	4.00	4.95	7.00	6.38	10.25	50.00	" "
8.25	19.50	19.66	4.00	5.26	7.00	6.07	10.20	50.56	" "
9.00	17.50	18.78	4.00	5.03	6.50	6.59	7.96	52.65	" "
8.61	17.50	19.22	4.00	5.36	6.00	6.37	8.54	51.90	" "
10.07	9.00	11.74	3.50	3.27	9.00	6.83	4.92	63.17	" "
9.04	14.00	15.53	3.50	4.12	6.00	5.94	6.46	58.91	" "
8.50	37.00	39.14	4.50	4.94	9.00	6.71	6.01	34.70	A. " "
6.19	41.00	42.12	4.50	5.31	7.00	7.18	8.35	30.85	" "
7.49	25.00	28.26	1.00	1.73	8.00	7.74	6.90	47.88	" "
7.85	20.00	20.18	4.00	4.56	7.00	6.53	9.50	51.38	B.

A—Acid insoluble Ash 0.11%.
B—Fibre guarantee on sack differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
W. E. Stanton, Grantsville, Md. (Continued)	
Corn and Oats Chop	Grantsville
Corn Chop	Grantsville
Star Food and Remedy Co., Inc., Alexandria, Va.	
Star Golden Glow Dairy Ration	Beltsville
Star Laying Mash, with Milk	Beltsville
Star Pig Meal	Beltsville
Star Scratch Feed	Beltsville
Star High Grade Pigeon Feed	Bethesda
Star Milling Co., Inc., Hampstead, Md.	
Winter Wheat Bran, with M.R.S.	Owings Mills
Winter Wheat Middlings	Taneytown
Winter Wheat Middlings	New Windsor
Winter Wheat Middlings	Owings Mills
E. Steen and Brother Co., Baltimore, Md.	
Milk Producer Dairy Feed	Baltimore
Little Boy Blue Dairy Feed	Baltimore
Steen's Special "16" Dairy Feed	Baltimore
Steen's Special "16" Dairy Feed	Medford
Golden Goose Laying Mash, with BM	Baltimore
‡Sweetened Grain Blowings	Medford
Golden Goose Fancy Scratch Feed	Baltimore
D. A. Stickell and Sons, Inc., Hagerstown, Md.	
*Su-Pur Sweet 32% Mixing Ration	Rising Sun
‡Su-Pur Sweet 32% Mixing Ration	Manchester
‡Magnolia Sweet 24% Dairy Feed	Manchester
‡Stickell's Sweet 24% Milk Maker	White Hall
‡Zip Sweet 16% Dairy Feed	Manchester
‡Blue Ridge Egg Mash	Manchester
‡Su-Pur Growing Mash	White Hall
‡Su-Pur Broiler Mash	Glyndon
‡Blue Ridge Pig and Hog Ration	Manchester
‡Blue Ridge Pig and Hog Ration	Forest Hill
‡Stickell's Calf Meal	Manchester
‡Stickell's Calf Meal	Forest Hill
Stickell's Intermediate Chick Feed	Baltimore
Victor Chick Feed	Baltimore
F. W. Stock and Sons, Hillsdale, Mich.	
Stock's Bran, with M.R.S.	Frederick
Stock's Bran, with M.R.S.	Bel Air
Stock's Middlings	Westminster
Chas. M. Struven Co., Baltimore, Md.	
Struven's Fish Meal	Chestertown
Suffolk Oil Mill, Inc., Suffolk, Va.	
‡Peanut Meal	Hampstead

‡Not licensed at time of sale.
*Deficient in protein or fat.

Moisture	Protein Guaranteed	Protein FOUND	Fat Guaranteed	Fat FOUND	Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	INGREDIENTS
8.71	10.00	10.18	3.00	3.15	8.00	4.87	2.00	71.09	As declared on sack.
10.32	9.00	9.21	4.00	3.96	3.00	1.97	1.50	73.04	" "
7.76	22.00	25.01	4.50	4.91	12.00	9.14	8.20	44.98	" "
9.00	20.00	20.80	4.50	5.28	7.00	6.75	10.65	47.52	A.
9.25	16.00	16.23	4.00	4.58	7.00	6.65	6.30	56.99	B.
9.58	10.00	10.00	2.50	3.03	5.00	2.33	1.42	73.64	As declared on sack.
10.65	12.00	15.80	3.00	3.68	4.00	3.68	2.05	63.82	" "
10.10	14.00	14.22	4.00	3.97	10.50	10.34	6.45	54.92	" "
10.98	15.00	14.92	4.00	3.89	6.00	6.46	5.30	58.46	" "
10.42	15.00	14.74	4.00	3.97	6.00	5.12	4.35	61.40	" "
10.67	15.00	15.97	4.00	5.13	6.00	5.31	3.85	59.07	" "
8.68	20.00	22.53	3.50	3.95	12.00	8.92	9.84	46.08	A.
9.67	16.00	19.08	3.50	5.37	13.00	9.37	9.43	47.08	A.
8.76	16.00	17.83	3.00	4.27	13.00	10.51	8.76	49.87	As declared on sack.
11.24	16.00	17.96	3.50	3.82	13.00	9.41	6.56	51.01	C.
8.99	20.00	20.01	4.00	4.09	9.00	4.81	8.85	53.25	D.
11.70	9.00	10.27	2.00	2.36	20.00	10.76	6.21	58.70	As declared on sack.
9.49	10.00	9.65	2.50	2.51	5.00	2.71	1.80	73.84	E. " "
8.78	32.00	30.86	4.50	4.72	10.00	8.63	7.84	39.17	" "
8.88	32.00	33.38	4.50	4.28	10.00	6.56	8.33	38.57	" "
10.11	24.00	24.14	3.50	4.08	12.00	6.06	7.19	48.42	" "
9.56	24.00	25.43	4.00	5.14	10.00	8.60	7.49	43.78	" "
12.25	16.00	18.83	3.00	3.26	12.00	7.70	8.29	49.67	" "
11.00	20.00	21.06	5.00	5.91	6.00	6.36	7.80	47.87	" "
8.54	17.00	17.20	4.00	6.45	6.00	6.24	9.05	52.52	" "
9.19	17.00	17.55	3.50	5.10	6.00	4.69	8.55	54.92	" "
9.16	17.00	18.12	3.00	3.61	6.00	5.14	10.37	53.60	" "
9.80	17.00	18.99	3.00	4.54	6.00	6.29	10.10	50.28	" "
11.00	15.00	16.85	5.00	5.42	6.00	5.51	3.62	57.60	A.
9.55	15.00	17.72	5.00	5.04	6.00	4.64	2.91	60.14	A.
8.84	10.00	11.41	2.50	4.12	5.00	2.65	2.45	70.53	F.
8.94	10.00	11.93	2.50	4.42	5.00	2.19	2.15	70.37	F.
8.87	17.50	20.88	4.00	4.25	10.00	9.67	6.90	49.43	As declared on sack.
8.02	17.50	19.13	4.00	4.53	10.00	8.24	5.25	54.83	" "
10.54	17.50	18.60	4.00	4.77	7.00	5.64	4.15	56.30	" "
7.45	55.00	57.65	4.00	10.55	2.00	.71	22.61	1.03	" "
6.19	41.00	41.07	6.00	6.49	8.00	5.45	6.57	34.23	" "

A—Ingredients on sack differ from license.
B—Ingredients on sack differ from license—Detected Charcoal but not declared on sack.
C—Fat guarantee and Ingredients on sack differ from license.
D—Unable to detect Linseed Oil Meal.
E—Protein guarantee on sack differs from license.
F—Also detected Sunflower Seed.

MANUFACTURER AND BRAND NAME	SAMPLED FROM	
Swift and Co., Chicago, Ill.		
Swift's Fifty-Five Meat Scraps	Princess Anne	5
Swift's Meat and Bone Scraps	Berlin	6
Swift's Meat and Bone Scraps	Princess Anne	6
Swift's Laymore Meat and Bone Scraps	Berlin	6
Taneytown Grain and Supply Co., Taneytown, Md.		
Taney Laying Mash	Taneytown	9
Taney Pig and Hog Feed	Taneytown	7
Tarkio Molasses Feed Co., Kansas City, Mo.		
Tarkio Molasses Feed	Maugansville	8
Texas Rice Milling Co., Galveston, Texas		
Texmil Rice Bran	Baltimore	6
Thomas and Co., Frederick, Md.		
Excelsior Dairy Feed	Gaithersburg	8
Economy Dairy Feed	Gaithersburg	9
"Makan-Eg" Egg Mash	Union Bridge	7
"Gro-Quick" Growing Mash	Union Bridge	6
"Solvita" For Chicks	Gaithersburg	9
Thomas Supply Co., Adamstown, Md.		
Thomas 24% Dairy Feed	Adamstown	11
Thomas 16% Dairy Feed	Adamstown	11
Thurmont Milling and Supply Association, Cooperative, Inc., Thurmont, Md.		
*Thurmont Laying Mash	Thurmont	8
Pure Wheat Bran	Thurmont	8
*Wheat Middlings, with Mill Run of Screenings	Lewistown	9
Transit Milling Co., Galveston, Texas		
Texas Bull Brand Cottonseed Meal 41% Protein—Prime Quality	Gaithersburg	7
Trappe Roller Mills, Trappe, Md.		
Pure Wheat Bran	Trappe	9
*Pure Wheat Middlings	Trappe	8
Jacob Trinley and Sons, Linfield, Pa.		
‡Favorite Laying Mash	Baltimore	8
‡Favorite Scratch Grains	Baltimore	10
Ubiko Milling Co., Cincinnati, Ohio		
‡*32% Sweet Union Grains Dairy Ration	Walkersville	9
‡24% Sweet Union Grains Dairy Ration	Walkersville	9
‡Clover Bloom Sweet 16% Feed	Walkersville	10
‡Honeycomb Fitting Ration	Walkersville	9
‡Ubiko All-Mash Starter	Walkersville	9
‡Fourex Corn Distillers Dried Grains	Walkersville	9
Unique Milling Co., Friendsville, Md.		
*Pure Wheat Bran	Friendsville	10

*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
5.32	55.00	55.29	6.00	10.39	3.00	1.89	25.14	1.97	As declared on sack.
6.20	50.00	50.90	6.00	11.44	3.00	3.05	27.80	.61	" "
6.45	50.00	50.90	6.00	10.40	3.00	3.77	29.70	----	" "
6.54	45.00	45.63	6.00	10.53	3.00	1.76	35.30	.24	" "
9.48	18.00	18.52	4.50	4.43	6.75	6.63	9.55	51.39	" "
7.01	18.00	19.48	4.25	4.74	6.75	6.51	5.95	56.31	A.
8.60	9.00	10.96	2.00	2.33	7.00	7.49	9.93	60.69	As declared on sack.
6.91	13.50	13.69	13.50	16.12	12.00	12.32	12.96	38.00	" "
8.50	24.00	24.75	5.00	5.01	9.00	8.04	6.55	47.15	B.
9.03	20.00	21.94	4.50	4.67	9.00	8.69	6.35	49.32	As declared on sack.
7.37	20.00	20.88	5.00	4.89	9.00	6.84	8.60	51.42	" "
6.92	18.00	18.78	4.50	4.72	9.00	6.57	8.65	54.36	" "
9.55	18.00	18.43	4.50	4.41	5.00	4.85	8.15	54.61	B.
11.47	24.00	23.92	3.50	4.41	12.00	10.74	7.69	41.77	As declared on sack.
11.95	16.00	18.76	3.00	3.99	12.00	11.36	8.33	45.61	" "
8.02	20.00	20.18	4.00	2.87	10.00	5.72	10.65	52.56	A.
8.02	14.00	13.99	4.00	3.96	13.00	9.56	6.30	58.17	As declared on sack.
9.59	15.00	13.51	4.50	4.34	5.00	3.34	3.10	66.12	" "
7.40	41.00	41.86	5.00	6.15	11.00	12.06	6.70	25.83	" "
9.15	13.00	13.16	3.00	3.71	9.00	6.45	2.80	64.73	" "
8.68	13.00	13.16	3.00	2.49	6.00	1.15	1.60	72.92	" "
8.00	18.00	20.36	4.00	5.60	7.50	7.62	9.28	49.14	" "
10.66	9.00	10.97	2.00	2.85	5.00	2.47	1.60	71.45	" "
9.75	32.00	30.09	4.00	5.23	10.00	7.20	9.97	37.76	" "
9.08	24.00	24.89	4.00	4.90	10.00	8.88	9.36	42.89	" "
10.08	16.00	16.41	3.00	3.87	15.00	12.24	11.84	45.56	" "
9.00	12.00	16.77	2.50	4.20	15.00	13.87	12.76	43.40	" "
9.82	18.00	20.18	4.00	4.32	5.00	5.09	8.05	52.54	" "
9.68	28.00	34.40	7.00	8.72	14.00	11.42	2.40	33.38	" "
10.00	14.70	13.69	3.75	3.70	9.61	7.77	4.68	60.16	" "

A—Also detected Ground Wheat and/or Ground Wheat Screenings. Unable to detect Cottonseed Meal.

B—Ingredients on sack differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Unique Milling Co., Friendsville, Md. (Continued)	
*Pure Wheat Middlings	Friendsville
Pure Buckwheat Middlings	Friendsville
Urbana Mills Co., Urbana, Ohio	
*‡Urbana 24% Dairy Ration	Cumberland
‡Urbana 20% Dairy Ration	Cumberland
‡Urbana 16% Dairy Ration	Cumberland
‡Urbana Egg Mash	Cumberland
‡Mixed Grains for Poultry	Cumberland
‡Urbana Starting and Growing All Mash	Cumberland
‡Purity All Mash Developer	Cumberland
‡Purity Horse Feed	Cumberland
‡Purity 14% Hog Fattener	Lineboro
‡Purity 18% Pig Meal	Cumberland
‡C.O.B. Chop	Lineboro
‡Purity All Mash Chick Starter	Cumberland
‡Purity Chick Grains	Cumberland
Van Iderstine Co., Long Island City, N. Y.	
*Vico High Protein Meat Scraps For Poultry	Westminster
Vico Quality Meat and Bone Scraps For Poultry	Detour
Vico Quality Meat and Bone Scraps For Poultry	Keymar
Vico Quality Meat and Bone Scraps For Poultry	Westminster
Van Vechten Milling Co., Inc., Rochester, N. Y.	
Van Vex Soft Winter Wheat Middlings	Pocomoke City
Velveteen Grain Products Co., Charles Town, W. Va.	
†Winter Wheat Middlings	Reid
Vienna Flour and Feed Mill, Vienna, Md.	
Wayne Local Mix Laying Mash	Vienna
Pure Wheat Bran	Vienna
Pure Wheat Middlings	Vienna
Virginia-Maryland Dairy Feeders Co., Inc., Baltimore, Md.	
Dried Brewers Grains	Jefferson
‡Dried Brewers Grains	Baltimore
J. E. Walter, Parkton, Md.	
Wheat Bran	Parkton
Wheat Middlings	Parkton
Buckwheat Middlings	Parkton
Pure Corn Meal	Parkton
C. B. Watkins and Co., Baltimore, Md.	
Foxhall Laying Mash	Baltimore
Foxhall Hog Feed	Baltimore
Peerless Scratch Grains	Baltimore
Western Condensing Co., Petaluma, Calif.	
Peebles Lacto Dried Whey	Baltimore
Peebles Lacto Dried Whey	Maugansville

*Deficient in protein or fat.
†Deficient in both protein and fat.
‡Not licensed at time of sale.

Moisture	Protein Guaranteed	Protein Found	Fat Guaranteed	Fat Found	Fibre Guaranteed	Fibre Found	Ash	Nitrogen Free Extract	Ingredients
12.44	14.04	12.99	3.75	3.66	4.11	2.24	2.76	65.91	As declared on sack.
12.49	28.75	27.91	7.00	7.34	9.00	3.46	5.07	43.73	" "
10.43	24.00	22.80	3.50	3.84	12.00	9.42	10.73	42.78	A.
11.17	20.00	19.66	3.50	3.34	12.00	10.13	9.81	45.89	As declared on sack.
10.70	16.00	16.35	3.00	3.11	12.00	9.23	9.90	50.71	" "
6.53	18.00	19.74	5.00	4.98	8.00	8.64	10.45	49.66	" "
10.21	9.00	10.00	2.50	2.81	4.00	2.63	1.55	72.80	" "
8.60	15.00	15.97	4.00	4.73	6.00	5.49	7.52	57.69	A.
7.17	16.00	17.90	4.50	5.69	5.00	5.48	8.95	54.81	B.
10.55	9.00	10.17	2.50	2.71	8.00	10.42	5.33	60.82	As declared on sack.
10.68	14.00	13.96	3.00	3.83	8.00	5.09	8.38	58.06	B.
11.05	18.00	18.74	4.00	4.35	6.00	4.90	7.72	53.24	As declared on sack.
10.33	10.00	11.23	3.00	2.75	7.00	10.05	3.39	62.25	" "
8.21	16.00	17.81	4.50	5.03	5.00	4.28	7.30	57.37	B.
9.91	10.00	11.67	2.50	2.93	3.00	1.95	1.65	71.89	As declared on sack.
6.47	55.00	53.00	5.00	10.75	3.00	2.75	28.54	----	C.
6.23	50.00	51.04	5.00	10.71	3.00	2.09	26.00	3.93	As declared on sack.
6.18	50.00	50.20	5.00	8.51	3.00	2.49	31.11	1.51	" "
6.31	50.00	51.95	5.00	8.37	3.00	1.84	27.20	4.33	" "
8.60	15.00	14.39	4.00	4.29	8.00	6.14	4.20	62.38	" "
9.51	14.00	12.55	4.00	2.60	6.00	2.65	2.30	70.39	D.
9.00	18.00	18.95	3.50	4.60	7.00	7.02	7.10	53.33	As declared on sack.
10.04	13.50	14.57	3.50	4.09	8.00	6.84	5.75	58.71	" "
10.54	13.00	14.57	3.00	3.65	4.00	3.54	3.15	64.55	" "
7.84	28.00	27.99	7.00	7.10	15.00	15.48	4.10	37.49	E. " "
8.11	28.00	29.92	6.00	6.36	15.00	16.11	5.80	33.70	" "
9.75	13.00	13.69	3.00	3.40	8.00	6.36	4.45	62.35	" "
9.22	13.00	13.51	3.00	3.63	5.00	2.52	3.15	66.97	" "
11.59	20.00	21.76	4.00	5.38	6.00	7.41	3.95	49.91	" "
11.83	8.00	7.55	3.00	3.19	6.00	1.19	1.60	74.64	" "
8.46	20.13	21.24	4.85	5.58	8.25	8.95	10.80	44.97	" "
7.95	15.25	18.95	2.98	6.16	7.33	9.36	8.57	49.01	" "
10.45	10.00	11.14	3.00	3.06	5.00	2.63	3.55	69.17	" "
----	12.50	12.81	.50	x.88	----	----	13.10	----	" "
----	12.50	12.55	.50	x.60	----	----	13.30	----	" "

A—Ingredients on sack differ from license.
B—Fat guarantee and Ingredients on sack differ from license.
C—Should be designated as Meat and Bone Scrap.
D—Also contains Ground Screenings—consisting mostly of Corn, Oats, Barley and Wheat which has not passed thru the rolls and some Ground Weed Seed.
E—Fat guarantee on sack differs from license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Westover Mills, Westover, Md.	
Perfection Laying Mash	Westover
Pure Wheat Bran	Westover
Pure Wheat Middlings	Westover
Perfection Scratch Feed	Westover
Wheatena Corp., Highspire Flour Mills Division, Highspire, Pa.	
Wheat Gray Shorts Mill Run of Screenings	Gaithersburg
Wheeler Supply Co., Glyndon, Md.	
†Glyco Starter	Glyndon
M. Floyd Wiley, Detour, Md.	
*Pure Bran	Detour
*Pure Middlings	Detour
Wilkins-Rogers Milling Co., Inc., Washington, D. C.	
Grassy Mead 26% Dairy Feed	Bel Air
Grassy Mead 26% Dairy Feed	Monrovia
Big Five Dairy Feed	Upper Marlboro
‡Washington Egg Mash, with BM.	Bel Air
Washington Egg Mash	Bethesda
‡Washington Growing Mash, with BM.	Bel Air
Red Raven Horse Feed	Bethesda
Grassy Mead 21% Hog Feed	Upper Marlboro
*Pure Soft Winter Wheat Bran	Baltimore
*Pure Soft Winter Wheat Middlings	Baltimore
Washington Baby Chick Grains	Mt. Airy
Washington Scratch Feed	Baltimore
Washington Scratch Feed	Upper Marlboro
Williams Brothers Co., Kent, Ohio	
Pure Ohio Wheat Bran	Cumberland
‡Pure Ohio Wheat Bran	Princess Anne
‡Fancy Winter Wheat Middlings	Princess Anne
Oscar Wyatt, Greensboro, Md.	
*Wyatt's Laying Mash	Greensboro
York Roller Mills Co., York, Pa.	
Pure Wheat Bran	Rising Sun

†Deficient in both protein and fat.
*Deficient in protein or fat.
‡Not licensed at time of sale.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.95	19.00	21.59	4.00	5.96	7.00	6.55	10.75	46.20	As declared on sack.
10.06	13.00	13.42	3.50	3.65	10.00	9.27	6.70	56.90	" "
9.04	13.00	13.16	3.50	3.76	5.00	3.78	2.90	67.36	" "
10.66	9.00	9.92	2.50	3.62	5.00	3.01	2.05	70.74	" "
10.57	12.00	12.81	2.75	3.24	8.00	5.19	1.90	66.29	" "
8.91	18.50	16.50	5.50	4.72	7.00	7.69	9.10	53.08	A.
9.04	15.00	13.69	3.00	3.68	9.00	9.46	6.20	57.93	As declared on sack.
10.12	14.00	11.41	3.00	2.82	5.00	2.75	1.80	71.10	" "
7.44	26.00	25.01	5.00	4.97	9.00	8.58	6.25	47.75	A.
8.92	26.00	25.97	5.00	4.92	9.00	8.65	7.10	44.44	A.
6.49	20.00	20.45	5.00	5.35	12.00	10.82	6.10	50.79	As declared on sack.
8.47	22.00	23.87	5.00	5.09	8.00	6.47	12.94	43.17	" "
8.09	22.00	24.04	5.00	5.46	8.00	4.94	13.00	44.47	" "
9.18	17.00	18.87	5.00	4.94	6.00	4.84	8.31	53.86	" "
10.43	8.00	10.37	3.00	3.59	10.00	8.48	4.94	62.19	" "
7.25	21.00	22.46	6.00	5.76	7.00	10.46	6.45	47.62	" "
10.04	14.00	11.41	4.00	5.10	9.00	9.68	5.10	58.67	" "
9.99	15.50	12.46	4.00	4.59	7.00	4.91	4.66	63.39	" "
11.72	10.00	10.71	2.50	3.59	3.00	2.06	1.65	70.27	" "
8.58	10.00	11.23	2.50	3.63	4.00	3.56	2.00	71.00	" "
10.08	10.00	10.79	2.50	3.32	4.00	3.17	1.10	71.54	" "
9.33	14.00	15.18	3.00	4.35	12.00	9.91	6.38	54.85	" "
9.56	14.00	14.13	3.00	3.98	12.00	9.55	6.55	56.23	" "
9.44	14.00	15.45	3.50	4.51	9.50	5.83	3.65	61.12	B.
8.45	19.50	18.25	5.00	5.85	5.50	10.00	10.62	46.83	As declared on sack.
9.80	13.00	13.78	4.40	4.33	9.80	10.05	6.10	55.94	" "

A—Ingredients on sack differ from license.
B—Also detected Screenings.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
DOG FOOD	
Allied Mills, Inc., Chicago, Ill.	
Wayne Dog Food Krums	Baltimore
Wayne Dog Food Blox	Baltimore
Arcady Farms Milling Co., Chicago, Ill.	
‡New Arcady Dog Ration	Mt. Airy
Austin Dog Bread and Animal Food Co., Chelsea, Mass.	
Austin's Dog Biscuit	Baltimore
Austin's Dog Bread Nibbles	Baltimore
Austin's Dog Bread Flakes	Baltimore
Austin's Puppy Biscuit	Baltimore
Austin's Special Cat Food	Baltimore
Baltimore Feed and Grain Co., Baltimore, Md.	
Steako Dog and Puppy Food	Baltimore
Bannock Food Co., Inc., West Chester, Pa.	
Bannock Body Builder	Baltimore
Balorations, Inc., Division of Tioga Mills, Inc., Waverly, N. Y.	
Ti-O-Ga Dog Food	Baltimore
Bar-None Sales Co., San Jose, Calif.	
Bar-None Brand Food For Dogs and Cats	Baltimore
Battle Creek Dog Food Co., Battle Creek, Mich.	
Miller's Kibbles	Baltimore
‡Miller's Meaties	Baltimore
Miller's Ration	Baltimore
Beacon Milling Co., Inc., Cayuga, N. Y.	
‡Beacon Dog and Puppy Meal	Baltimore
‡Beacon Dog Pellets	Baltimore
W. L. Beyer, Inc., New York, N. Y.	
‡Beyer's Dependable Dog and Cat Food	Baltimore
H. H. Borchers and Sons, Baltimore, Md.	
Mel-Rah Dog Food	Baltimore
Brooks Brothers, New York, N. Y.	
Bro-Bro Brand Dog and Cat Food	Baltimore
California Animal Products Co., Oakland, Calif.	
Calo Cat Food	Baltimore
†Calo Dog Food	Baltimore
Chappel Brothers, Inc., Rockford, Ill.	
Ken-L-Ration	Hagerstown

‡Not licensed at time of sale.
†Deficient in both protein and fat.

Moisture	Protein Guaranteed	Protein FOUND	Fat Guaranteed	Fat FOUND	Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	Ingredients
6.99	30.00	32.12	4.00	7.05	4.00	4.39	9.15	40.30	
7.49	30.00	30.70	4.00	6.22	4.00	3.98	8.70	42.91	
7.26	25.00	32.21	3.00	4.80	4.00	3.81	12.85	39.07	
6.95	20.00	22.38	1.00	1.66	2.00	1.97	4.90	62.14	
6.74	20.00	21.76	1.00	.99	2.00	.81	7.70	62.00	A.
7.04	18.00	20.36	1.00	.82	2.00	1.66	4.65	65.47	
5.00	20.00	21.94	1.00	1.22	2.00	1.03	7.60	63.21	
5.70	15.00	22.55	1.00	1.74	2.50	1.51	4.95	63.55	
6.66	30.00	30.54	6.00	5.75	6.00	5.73	13.20	38.12	
7.93	24.00	27.91	3.50	6.12	4.50	2.96	13.65	41.43	
7.70	20.00	23.25	2.50	4.34	3.00	1.86	11.83	51.02	
75.25	6.00	5.70	1.20	1.36	.58	.86	3.10	13.73	
7.06	18.00	19.48	1.00	1.59	2.00	1.18	5.79	64.90	
6.40	15.00	18.08	1.00	3.20	3.50	3.62	8.60	60.10	
7.01	15.00	16.76	1.30	2.95	1.30	3.41	6.95	62.92	
6.44	24.00	26.50	3.00	4.47	5.00	1.58	9.60	51.41	
8.07	24.00	26.94	4.00	4.94	5.00	1.00	11.15	47.90	
76.18	8.00	7.10	1.00	1.27	1.00	1.57	1.33	12.55	
73.34	10.50	12.84	3.00	3.92	1.00	.75	1.24	7.91	
69.36	7.25	7.14	.94	1.75	1.10	1.13	1.44	19.18	
74.07	8.00	7.61	2.25	2.15	.50	.72	2.54	12.91	
77.78	8.00	6.62	2.25	1.67	.50	.69	1.68	11.56	
70.54	10.00	9.93	2.00	2.23	2.00	.76	1.30	15.24	

A—Protein guarantee on package differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Chappel Brothers, Inc., Rockford, Ill. (Continued)	
Ken-L-Ration	Baltimore
Kit-E-Ration	Baltimore
Chesapeake Co., Chestertown, Md.	
Chesapeake Dog Food	Chestertown
Colonial Pet Foods Co., New York, N. Y.	
‡Smoothy Dog Food	Baltimore
‡Smoothy Dog Food	Frederick
Consolidated By-Products Co., Philadelphia, Pa.	
‡Marodine Dog and Cat Food	Baltimore
*Marco Dog and Cat Food	Baltimore
Daily Packing Co., Chicago, Ill.	
‡*Daily Dog Food	Chestertown
Derwood Mill, Derwood, Md.	
Derwood Dog Food	Derwood
Dietrich and Gambrill, Inc., Frederick, Md.	
D. & G. Dog Food Broken	Baltimore
D. & G. Dog Food Whole	Baltimore
Mighty Good Dog Food	Baltimore
Doggie Dinner Division of The Loudon Packing Co., Terre Haute, Ind.	
*Doggie Dinner	Elkridge
†Doggie Dinner	Baltimore
Doyle Packing Co., Los Angeles, Calif.	
Strongheart Ration	Baltimore
Empire Beef and Provision Co., Dog Food Division, Wilson and Co., Inc., Chicago, Ill.	
Ideal Dog Food	Baltimore
Ideal Dog Food	Hagerstown
John W. Eshelman and Sons, Lancaster, Pa.	
*Eshelman Red Rose Dog and Puppy Cubes	Mt. Lake Park
Foster Canning Co., Inc., Glendale, N. Y.	
*Dr. Oldring Brand Pet Ration	Baltimore
Gaines Food Co., Sherburne, N. Y.	
Gaines Krunchow Meat and Milk Meal	Baltimore
Gaines Meat and Milk Meal Cooked	Bethesda
Gaines Meat and Milk Meal Cooked	Baltimore
Hales and Hunter Co., Chicago, Ill.	
Lucky Dog Supplement	Cumberland
Lucky Dog Supplement	Cumberland
Lucky Dog Pellets	Baltimore

‡Not licensed at time of sale.
*Deficient in protein or fat.
†Deficient in both protein and fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
68.28	10.00	11.56	2.00	2.95	2.00	.79	3.71	12.71	
72.60	10.00	11.87	1.00	2.61	2.00	1.14	5.80	5.98	
6.39	22.00	21.50	5.00	6.88	6.50	5.06	35.85	24.32	
72.59	6.35	8.91	.69	.76	.85	1.44	4.95	11.35	
72.47	6.35	9.64	.69	1.13	.85	1.67	4.80	10.29	
67.70	10.50	10.33	3.00	2.95	1.00	1.09	3.71	14.22	
73.25	10.50	11.29	3.00	2.30	1.00	.76	3.96	8.44	
66.36	12.00	12.03	5.00	3.97	1.00	1.45	4.54	11.65	
6.36	25.00	25.01	4.00	4.46	4.00	3.77	13.45	46.95	
7.45	18.00	23.43	2.50	3.90	2.00	2.50	7.55	55.17	
10.00	18.00	20.76	2.50	2.75	2.00	2.14	9.67	54.68	
9.91	18.00	20.71	4.00	4.20	3.00	2.56	10.00	52.62	
71.81	8.30	7.32	2.40	1.62	.40	.64	3.76	14.85	
73.73	8.30	7.06	2.40	1.48	.40	.76	3.86	13.11	
73.91	6.50	6.72	2.50	3.00	.75	.94	2.13	13.30	
72.63	10.00	10.23	2.00	3.95	1.00	.63	1.70	10.86	
73.81	10.00	10.36	2.00	3.56	1.00	.53	1.37	10.37	
9.23	26.00	25.97	5.50	4.40	2.50	3.55	12.75	44.10	
74.78	9.00	11.63	3.00	1.60	.50	.75	3.35	7.89	
7.12	23.00	29.31	3.00	4.64	4.00	3.11	12.15	43.67	
9.00	23.00	29.84	3.00	5.49	4.00	3.22	14.05	38.40	
6.45	23.00	28.78	3.00	4.31	4.00	3.74	14.08	42.64	
9.55	22.00	23.08	4.00	5.72	6.00	2.55	5.57	53.53	
7.64	22.00	23.17	4.00	5.52	6.00	2.71	6.45	54.51	
7.69	25.00	25.10	5.00	5.31	6.00	4.01	6.10	51.79	

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Justrite Co., Milwaukee, Wis.	
Justrite Dog Biscuits	Baltimore
Justrite Kibbled Dog Biscuit	Baltimore
Kasco Mills, Inc., Waverly, N. Y.	
‡Kasco Dog Food (Cubed)	Oakland
Keeno Packing Co., South Gate, Calif.	
‡*Keen Dog and Cat Food	Baltimore
Kennel Food Supply Co., Fairfield, Conn.	
C. F. Biscuit	Baltimore
KFS Dog Food	Baltimore
KFS Dog Food	Hagerstown
Plain Biscuits	Baltimore
Kennel Gardens, Inc., Elkridge, Md.	
Dog Treat	Baltimore
S. S. Kresge Co., Baltimore, Md.	
*North Star Kibbled Dog Food	Baltimore
Laddie Boy Sales Corp. Licensed by Atlas Canning Co., Inc., Brooklyn, N. Y.	
*Laddie Boy Dog and Cat Food	Baltimore
Lauderdale Kennels, Owings Mills, Md.	
Lauderdale Perfect Dog Food	Owings Mills
Francis H. Leggett and Co., New York, N. Y.	
‡Bow Wow Brand Dog and Cat Foot	Hagerstown
Lord-Mott Co., Baltimore, Md.	
Imperial Brand Dog and Cat Food	Baltimore
‡*Imperial Brand Dog and Cat Food	Baltimore
Maritime Milling Co., Inc., Buffalo, N. Y.	
Hunt Club Dog Food	Baltimore
Maryland Grocery Co., Distributors, Baltimore, Md.	
†Satin Dog and Cat Food	Baltimore
†Satin Dog and Cat Food	Baltimore
†Satin Dog and Cat Food	Baltimore
‡†Satin Dog and Cat Food	Baltimore
†Satin Dog and Cat Food	Baltimore
Meat Products Co., Cleveland, Ohio	
‡Bresko Meat Bone Crisp	Baltimore
George C. Melody, Greensburg, Pa.	
Dr. Melody's Dog Food	Oakland
Dr. Melody's Dog and Cat Food	Oakland
*Dr. Melody's Dog and Cat Food	Baltimore

‡Not licensed at time of sale.
*Deficient in protein or fat.
†Deficient in both protein and fat.

Moisture	Protein Guaranteed	Protein FOUND	Fat Guaranteed	Fat FOUND	Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	Ingredients
5.53	20.28	21.41	.87	.84	1.23	1.21	7.65	63.36	
7.90	19.50	20.36	.97	1.49	2.65	1.01	2.85	66.39	
7.01	20.00	23.34	3.00	6.22	5.00	2.66	10.60	50.17	
76.83	8.00	6.83	2.00	1.78	1.00	.47	2.02	12.07	
7.03	20.00	21.94	2.00	2.50	2.00	1.26	6.35	60.92	
65.19	15.00	14.17	3.50	6.49	2.50	.84	2.36	10.95	
66.17	15.00	14.91	3.50	4.96	2.50	1.01	2.33	10.62	
7.84	16.00	19.83	1.00	1.46	3.00	.83	5.00	65.04	
5.68	24.00	28.96	5.00	7.38	7.00	3.71	6.70	47.57	
7.03	19.10	20.18	4.00	3.25	2.90	.91	5.05	63.58	
78.37	9.74	5.80	1.55	2.21	.40	1.45	8.03	4.14	
8.69	28.00	30.54	6.00	5.74	7.00	5.06	5.96	44.01	
76.14	7.00	6.64	1.00	1.54	1.00	1.00	.64	14.04	
77.20	7.00	6.04	1.00	1.14	1.00	.97	1.05	13.60	
80.31	7.00	4.98	1.00	1.37	1.00	.97	1.01	11.36	
6.56	25.00	28.70	3.50	5.75	4.00	3.33	9.60	46.06	
75.83	9.55	6.58	2.10	1.35	.63	1.76	1.11	13.37	
79.23	9.55	4.11	2.10	1.12	.63	1.06	.86	13.62	
78.37	9.55	5.29	2.10	1.30	.63	1.51	.98	12.56	
77.42	9.55	5.51	2.10	1.32	.63	1.07	.89	13.79	
79.29	9.55	4.48	2.10	1.18	.63	1.18	.85	13.02	
6.21	23.00	27.73	2.00	5.05	1.00	3.49	11.90	45.62	
76.27	4.99	7.68	.67	.83	3.91	.74	2.43	12.05	
78.06	4.99	6.01	.67	1.01	3.91	.63	3.03	11.26	
76.75	6.09	7.39	3.71	1.46	.71	.80	4.08	9.52	A.

A—Protein guarantee on package differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM	
Modern Food Process Co., Philadelphia, Pa.		
"Thrivo" Dog and Cat Food	Baltimore	71.
John Morrell and Co., Ottumwa, Iowa		
Red Heart Dog Food Diet A	Baltimore	71.
Red Heart Dog Food Diet A	Hagerstown	71.
Red Heart Dog Food Diet B	Baltimore	72.
Red Heart Dog Food Diet B	Hagerstown	72.
*Red Heart Dog Food Diet C	Baltimore	69.
Red Heart Dog Food Diet C	Hagerstown	69.
National Biscuit Co., New York, N. Y.		
Junior Milk-Bone Dog and Puppy Biscuit	Baltimore	5.
Milk-Bone Dog Biscuit	Baltimore	5.
Milk-Bone Crumbs	Baltimore	6.
Milk-Bone Puppy Food	Baltimore	6.
National Coast Products Corp., Swedesboro, N. J.		
*King Brand Dog and Cat Food	Baltimore	78.
*King Brand Dog and Cat Food	Cumberland	75.
‡Spunky Dog and Cat Food	Laurel	75.
*Top Hat Dog and Cat Food	Baltimore	75.
Nowak Milling Corp., Hammond, Ind.		
Domino Dog-ets	Harmony Grove	8.
Old Trusty Dog Food Co., Needham Heights, Mass.		
All Terrier Food	Baltimore	6.
Old Trusty Bovex	Baltimore	73.
Puppy Meal	Baltimore	8.
Tit Bits	Baltimore	9.
Polk Miller Products, Corp., Richmond, Va.		
‡*Sergeant's Dog Food	Baltimore	6.
Pratt Food Co., Buffalo, N. Y.		
‡Pratts Dog Food (Meal Form)	Centreville	7.
‡Pratts Dog Food (Cubed)	Ellicott City	8.
Proto, Inc., Philadelphia, Pa.		
"Proto" Dog Food	Baltimore	6.
Puro Pet Foods Co., Inc., New York, N. Y.		
‡Puro Dog and Cat Food	Baltimore	73.
Ralston Purina Co., St. Louis, Mo.		
Purina Dog Chow	Baltimore	7.
Rex Dog Food Products Co., Brooklyn, N. Y.		
*Rex Dog Food	Baltimore	76.
†Rex Dog Food	Baltimore	78.
‡*Rex Dog Food	Baltimore	77.
Rich Products Corp., Rockford, Ill.		
‡Evr Redy	Baltimore	67.

*Deficient in protein or fat.
‡Not licensed at time of sale.
†Deficient in both protein and fat.

Moisture	Protein Guaranteed	Protein FOUND	Fat Guaranteed	Fat FOUND	Fibre Guaranteed	Fibre FOUND	Ash	Nitrogen Free Extract	Ingredients
71.03	10.00	12.01	3.00	5.21	3.00	1.83	2.18	7.74	
71.39	11.00	11.22	3.00	6.44	1.00	.98	2.62	7.35	
71.03	11.00	11.30	3.00	5.15	1.00	.73	2.18	9.61	
72.08	11.00	10.06	3.00	7.57	1.00	.62	2.75	6.92	
72.42	11.00	9.41	3.00	5.64	1.00	.68	2.77	9.08	
69.11	11.00	10.62	3.00	6.40	1.00	.70	1.10	12.07	
69.78	11.00	11.19	3.00	3.87	1.00	.71	3.29	11.16	A.
5.95	17.00	18.52	1.00	1.27	2.50	1.45	4.30	68.51	
5.67	17.00	17.90	1.00	.98	2.50	1.09	4.00	70.36	
6.00	17.00	18.06	1.00	1.51	2.50	1.49	3.80	69.14	
6.50	17.00	17.72	1.00	.96	2.50	1.12	4.05	69.65	
78.12	8.00	8.47	2.00	1.03	1.00	1.00	1.07	10.31	
75.82	8.00	8.95	2.00	1.22	1.00	1.11	2.08	10.82	
75.34	7.00	6.69	2.00	1.96	1.00	1.26	2.07	12.68	
75.19	8.00	6.93	2.00	1.76	1.00	1.36	1.95	12.81	
8.33	21.00	30.36	4.00	5.66	3.00	2.99	8.35	44.31	
6.79	18.82	19.22	1.41	1.21	.54	1.07	3.00	68.71	
73.68	10.00	10.75	2.00	3.36	1.00	.82	1.11	10.28	
8.46	18.82	20.88	1.41	1.63	.54	.60	5.46	62.97	
9.15	18.82	20.36	1.41	1.48	.54	.74	3.98	64.29	
6.01	21.44	27.55	2.74	2.54	1.50	1.66	5.60	56.64	
7.61	20.00	19.95	3.00	4.39	5.00	2.51	11.55	53.99	
8.14	20.00	24.66	3.00	6.03	5.00	2.69	10.75	47.73	
6.89	25.00	27.64	5.00	6.41	3.00	3.34	10.55	45.17	
73.23	6.35	9.14	.69	.90	.85	1.52	3.10	12.11	
7.31	20.00	23.69	3.00	7.33	6.00	3.55	7.02	51.10	
76.38	9.55	6.38	2.10	1.83	.63	.94	1.06	13.41	
78.45	9.55	5.60	2.10	1.32	.63	1.10	1.23	12.30	
77.08	9.55	5.93	2.10	2.10	.63	1.25	.99	12.65	
67.36	8.00	8.61	1.00	4.08	2.00	1.07	5.39	13.49	

A—Ingredients on package differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Rival Packing Co., Chicago, Ill.	
Rival Dog Food	Baltimore
G. P. Rose and Co., Nashville, Tenn.	
Rose's Dog and Puppy Food	Baltimore
Mascot Dog Food	Baltimore
Dr. W. J. Ross Co., Los Alamitos, Calif.	
‡*Dr. Ross' Dog and Cat Food	Baltimore
Sandy's Pet Foods, Inc., Chicago, Ill.	
Sandy's Dog Food	Hagerstown
Schlesser Brothers, Portland, Oregon	
Man-Kind Dog Food	Baltimore
Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.	
Bal-Mar Dog Food	Baltimore
Bal-Mar Dog Food	Hagerstown
Spratt's Patent (AM) Limited, Newark, N. J.	
Spratts' Dog Cakes	Baltimore
Spratts' Fibo	Baltimore
Spratts' Ovals	Baltimore
Steady Dog Food Co., New York, N. Y.	
‡Steady Brand Dog Food	Baltimore
Sturdy Dog Food Co., Inc., Syracuse, N. Y.	
Sturdy Dog Food	Chestertown
‡Sturdy Dog Food	Baltimore
Thorobread Co., Cincinnati, Ohio	
Thorobread Dog and Puppy Food	Frostburg
Thorobread Dog and Puppy Food	Frostburg
Thorobread M. C. Dog Ration	Salisbury
Warner Sales Co., Brooklyn, N. Y.	
Warner's Complete Dog Food	Baltimore

*Deficient in protein or fat.
‡Not licensed at time of sale.

MINERAL FEED

Manufacturer and Brand Name	Sampled From
Davison Chemical Corp., Baltimore, Md.	
Oberco Soluble Minerals	Chewsville
Sea Board Supply Co., Philadelphia, Pa.	
S.B.S. Highly Iodized Soluble Mineral	Lineboro

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
74.28	10.00	10.62	2.50	3.75	.50	1.09	1.04	9.22	A.
5.86	22.00	22.64	4.95	7.74	5.00	4.96	13.20	45.60	B.
6.78	20.00	22.64	5.00	9.27	5.00	5.07	11.95	44.29	
69.15	13.25	12.09	2.00	3.18	.65	1.70	3.40	10.48	A.
70.29	10.00	9.92	3.50	4.63	1.00	.51	3.15	11.50	
70.95	9.00	9.39	3.00	6.85	.75	.70	2.18	9.93	
67.18	11.00	12.66	3.00	5.82	1.00	.67	4.63	9.04	
65.56	11.00	14.10	3.00	4.72	1.00	.98	5.23	9.41	
5.89	20.00	23.25	2.00	2.52	1.50	.94	2.70	64.70	
6.08	19.00	24.22	1.25	3.33	2.00	1.16	3.55	61.66	
5.99	19.00	24.04	1.75	2.23	2.00	.89	4.15	62.70	C.
70.46	6.20	10.13	.75	1.18	.95	1.83	3.90	12.50	
7.35	20.00	23.17	2.50	5.08	5.00	2.98	12.80	48.62	
6.14	20.00	24.84	2.50	4.79	5.00	3.67	11.90	48.66	
8.12	17.50	17.72	3.75	4.19	3.20	4.14	8.75	57.08	
7.95	17.50	17.72	3.75	4.10	3.20	3.93	9.90	56.40	
8.19	24.00	26.76	3.00	4.29	4.00	4.63	9.52	46.61	
6.67	23.00	23.87	3.00	3.82	2.50	2.70	9.90	53.04	A.

A—Ingredients on package differ from license.
B—Protein and Fat guarantee on package differ from license.
C—Fat guarantee on package differs from license.

Calcium Oxide CaO		Phosphorus P_2O_5	
Guaranteed	FOUND	Guaranteed	FOUND
30.00	35.10	20.00	28.40
25.00	46.50	15.00	17.80

ASSAY OF VITAMIN D SUPPLEMENTS SOLD IN MARYLAND
Spring 1936

The accompanying table contains the results obtained in a recently completed assay of samples of products sold in Maryland as vitamin D supplements. These samples were secured by Inspectors of this Department during January and February 1936. Each brand tested carried a specific guarantee of vitamin D potency as measured by the Association of Official Agricultural Chemists' method of assay for anti-rachitic materials. This potency is listed in the table under the heading "Guaranteed Percentage." Each product was assayed at the guaranteed percentage and the results are shown in the column headed "Result of Test." If a product gave a group average ash percentage of 44% or more at the guaranteed percentage under the A. O. A. C. procedure, it is reported as "Guarantee Sustained." If the ash percentage was less than 44% the report is "Guarantee Not Sustained, Ash Percentage ????

It is to be emphasized that the guaranteed percentages are not to be construed as feeding recommendations. For practical feeding purposes the recommendations of the manufacturer should be followed.

In order to derive the maximum benefits from the results of control assays, it is advisable to consider as great a number of tests as are available. The results of previous tests conducted by this Department will be of service in this connection.

Manufacturer	Brand Name	Guaranteed Percentage	Result of Test
The Acton Co., Philadelphia, Pa.	Acton Special Non-Freezing Cod Liver Oil	½%	Guarantee Sustained
F. E. Booth Co., Inc., San Francisco, Calif.	Sardilene	½%	Guarantee Sustained
California Packing Corp., San Francisco, Calif.	Biotol Biologically Tested Sardine Oil	⅜%	Guarantee Sustained
Consumers Import Co., Inc., New York City, N. Y.	Deluxe, U.S.P. Cod Liver Oil	¼%	Guarantee Sustained
Ezl. Dunwoody Co., Philadelphia, Pa.	Super X Cod Liver Oil	½%	Guarantee Sustained
Gunning and Gunning New York City, N. Y.	Gunning-Quality Cod Liver Oil	1%	Guarantee Sustained
Health Products Corp., Newark, N. J.	CLO-TRATE Concentrated Cod Liver Oil	⅛%	Guarantee Sustained
Chas. L. Huisking and Co., New York City, N. Y.	High Hatchability Special Vitamine Brand Cod Liver Oil Reinforced with Vitamin E	¼%	Guarantee Sustained
	Vitamin Brand Cod Liver Oil	¼%	Guarantee Sustained
King Brothers and Co., Philadelphia, Pa.	King's Poultry Cod Liver Oil	½%	Guarantee Sustained
McKesson and Robbins, Inc., Bridgeport, Conn.	Isdahl's Superfine Poultry U.S.P.; Non-destearinated Cod Liver Oil	½%	Guarantee Sustained
Mutual Rending Co., Inc., Philadelphia, Pa.	Mureco Cod Liver Oil	1%	Guarantee Sustained
National Oil Products Co., Harrison, N. J.	†Nopco XX Vitamin Concentrate Added to Pure Cod Liver Oil	3/32%	Guarantee Sustained
	Nopco DD Cod Liver Oil	⅜%	Guarantee Sustained
Pratt Food Co., Hammond, Ind.	Pratt's Cod Liver Oil	½%	Guarantee Sustained

*Now registered as "Nopco." †Now registered as "Nopco Cod Liver Oil."

In the table immediately following are given the results of two tests of a sample of Dunwoody Super X Cod Liver Oil which was collected by this Department in August 1935. The results of our first assay of this particular sample showed it to be less potent than guaranteed. A pen of chicks fed this oil at the guaranteed level of ½% gave an average tibia ash content of 38.07%. A portion of this same sample was retested at ½%. The ash average found in the second test was 37.33%, clearly substantiating the results of the original assay.

Manufacturer	Brand Name	Percentage Guaranteed	Result of Test
Ezl. Dunwoody Co., Philadelphia, Pa.	Super X Cod Liver Oil	½%	Guarantee not Sustained. First Test = 38.07% Retest = 37.33%

The report in Table 1 covers a sample of Ezl. Dunwoody Super X Cod Liver Oil taken this Spring and has no connection with the product reported in Table 2.

LIME ANALYSES

A detailed report of the results obtained in the inspection and analysis of agricultural liming materials from January 1, 1936, to June 1, 1936, is contained in pages 138 to 147, inclusive. Limes are considered seriously deficient with respect to chemical analysis when they are one per cent deficient in total oxides.

ANALYSES OF AGRICULTURAL BURNT LIME (OXIDES)

No.	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO + MgO		Carbonates $CaCO_3$		Sand & Insol.
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
	S. W. Barrick and Sons, Inc., Woodsboro, Md.										
3522	Barrick's Agricultural Lump Lime	Woodsboro	90.00	**95.25**	5.00	**1.40**	95.00	**96.65**	----	**1.99**	**.59**
3523	†Barrick's Agricultural Ground Lime	Woodsboro	80.00	**83.50**	5.00	**2.82**	85.00	**86.32**	----	**4.54**	**4.01**
	Blair Limestone Co., Martinsburg, W. Va.										
3555	†Shenandoah Special Ground Burned Lime	Bel Air	45.00	**47.95**	30.00	**29.98**	75.00	**77.93**	15.00	**12.90**	**7.30**
	Harry T. Campbell Sons Co., Towson, Md.										
3556	Campbell's Burned Lump Lime	Texas	54.00	**58.95**	28.00	**35.97**	82.00	**94.92**	5.00	**1.82**	**3.37**
	L. Frank Carbaugh, Hagerstown, Md.										
3574	Lump Lime	Cearfoss	80.00	**89.15**	2.00	**2.71**	82.00	**91.86**	----	**1.89**	**2.35**
3575	†Ground Burned Lime	Cearfoss	75.00	**76.10**	2.00	**2.54**	77.00	**78.64**	----	**16.66**	**5.08**
	Cavetown Planing Mill Co., Cavetown, Md.										
3501	Lump Lime	Cavetown	80.00	**76.90**	2.00	**18.85**	82.00	**95.75**	----	**1.70**	**1.26**
3508	†Ground Lime	Cavetown	80.00	**70.20**	2.00	**13.35**	82.00	**83.55**	----	**6.41**	**3.65**
	O. C. Glodfelty, Accident, Md.										
3551	Lump Lime	Accident	----	**83.60**	----	**1.41**	----	**85.01**	----	**2.29**	**3.82**
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.										
3531	Famous Frederick County Agricultural Lump Lime	Frederick	86.00	**86.35**	4.00	**5.34**	90.00	**91.69**	----	**11.21**	**.21**
3475	Famous Frederick County Agricultural Lump Lime	Frederick	86.00	**89.00**	4.00	**3.44**	90.00	**92.44**	----	**3.86**	**.43**
3530	†Famous Frederick County Ground Lime	Frederick	75.00	**79.45**	5.00	**4.05**	80.00	**83.50**	----	**7.52**	**3.99**
	Keystone Lime Co., Salisbury, Pa.										
3553	†Alfalfa Brand Granulated Lime	----	70.00	**71.55**	3.00	**3.59**	73.00	**75.14**	----	**11.75**	**7.92**
	LeGore Lime Co., LeGore, Md.										
3534	LeGore's Lump Lime	LeGore	80.00	**95.70**	3.00	**1.03**	83.00	**96.73**	3.00	**2.88**	**.48**
3568	†LeGore's Ground Burnt Lime	LeGore	75.00	**75.10**	5.00	**5.34**	80.00	**80.44**	3.00	**14.59**	**6.48**

	LeGore Lime Co., LeGore, Md.											
3534	LeGore's Lump Lime	LeGore	80.00	**95.70**	3.00	**1.03**	83.00	**96.73**	3.00	**2.58**	**.18**
3568	†LeGore's Ground Burnt Lime	LeGore	75.00	**75.10**	5.00	**5.34**	80.00	**80.44**	3.00	**14.59**	**6.48**
	Leesburg Lime and Fuel Corp., Leesburg, Va.										
3587	*†Farmers Favorite Ground Burnt Lime	----------	50.00	**47.00**	8.00	**9.66**	58.00	**56.66**	----	----	**23.31**
	E. V. Moser, Middletown, Md.										
3573	Lump Lime	Rohrersville	85.00	**85.65**	10.00	**10.76**	95.00	**96.41**	----	**4.18**	**.55**
	Edward Savage, Friendsville, Md.										
3548	*†Agricultural Ground Burned Lime	Friendsville	68.00	**56.85**	2.00	**1.59**	70.00	**58.44**	----	**6.45**	**23.86**
	Shank and Etzler Lime Co., Frederick, Md.										
3528	Agricultural Lump Lime	Frederick	60.00	**62.30**	30.00	**36.98**	90.00	**99.28**	----	**1.99**	**.10**
3529	†Agricultural Ground Burnt Lime	Frederick	55.00	**58.40**	25.00	**36.74**	80.00	**95.14**	1.00	**1.70**	**1.55**
	Steacy and Wilton Co., Wrightsville, Pa.										
3572	"Sterling" Brand Lime	Owings Mills	90.00	**93.75**	2.00	**3.78**	92.00	**97.53**	2.00	**1.60**	**.67**
	Stoner and Powell, Woodsboro, Md.										
3525	Old Reliable Fountain Rock Lump Lime	Fountain Rock	85.00	**87.30**	2.00	**1.90**	87.00	**89.20**	----	**1.66**	**2.98**
	Wertz and Swain, Hagerstown, Md.										
3510	†Agricultural Ground Lime	Downsville	60.00	**62.45**	5.00	**5.68**	65.00	**68.13**	----	**6.86**	**19.75**

*Product deficient in total oxides. †Mechanical analysis of Ground Burnt Lime. (see page 144)

ANALYSES OF AGRICULTURAL HYDRATED LIME

No.	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO + MgO		Sand & Insol. (no. Val.)
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
	American Lime and Stone Co., Bellefonte, Pa.								
3511	†Bell Mine Hydrate	Preston	69.30	**73.25**	.70	**1.07**	70.00	**74.32**	**.30**
	J. E. Baker Co., York, Pa.								
3559	†Susquehanna Hydrated Lime	Jarrettsville	66.00	**65.90**	6.00	**7.39**	72.00	**73.29**	**.30**
	S. W. Barrick and Sons, Inc., Woodsboro, Md.								
3476	*†Barrick's Agricultural Hydrated Lime	Woodsboro	65.00	**67.20**	5.00	**1.66**	70.00	**68.86**	**4.81**
3524	†Barrick's Agricultural Hydrated Lime	Woodsboro	65.00	**68.95**	5.00	**1.32**	70.00	**70.27**	**3.91**
	Blair Limestone Co., Martinsburg, W. Va.								
3554	*†Opequon Hydrated Lime	Rising Sun	67.00	**61.95**	2.00	**4.81**	69.00	**66.76**	**6.36**
	Chester Valley Lime Co., Paoli, Pa.								
3494	†Hydrated Lime	Princess Anne	46.50	**48.70**	31.00	**29.61**	77.50	**78.31**	**1.71**
	G. W. H. Corson, Inc., Plymouth Meeting, Pa.								
3517	†Corson's Hydrated Lime	Salisbury	46.50	**48.90**	31.00	**33.08**	77.50	**81.98**	**1.05**
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.								
3505	†Grove's Special Hydrated Lime	Gaithersburg	63.00	**66.25**	2.00	**3.64**	65.00	**69.89**	**2.88**
3532	†Grove's Special Hydrated Lime	Frederick	63.00	**67.40**	2.00	**2.46**	65.00	**69.86**	**3.29**
3478	†Famous Frederick County Hydrated Lime	Frederick	65.00	**68.45**	5.00	**4.00**	70.00	**72.45**	**1.04**
3489	†Famous Frederick County Hydrated Lime	Laurel	65.00	**66.80**	5.00	**5.15**	70..0	**71.95**	**1.13**
3504	†Famous Frederick County Hydrated Lime	Silver Spring	65.00	**72.70**	5.00	**1.05**	70.00	**73.75**	**.48**
	A. H. Hoffman, Inc., Landisville, Pa.								
3500	†Hoffman's Hydrated Lime	Baltimore	70.00	**70.85**	1.50	**1.65**	71.50	**72.50**	**.44**
	Keller Lime Co., Buckeystown, Md.								
3509	†Keller's Agricultural Hydrated Lime	Buckeystown	66.00	**69.80**	1.50	**2.89**	67.50	**72.69**	**2.65**
	LeGore Lime Co., LeGore Md.								
3569	†LeGore's Hydrated Lime	LeGore	65.00	**68.05**	5.00	**5.37**	70.00	**73.42**	**2.43**
3533	†LeGore's Hydrated Lime	LeGore	65.00	**65.50**	5.00	**5.25**	70.00	**70.75**	**5.33**

3509	†Keller's Agricultural Hydrated Lime	Buckeystown	66.00	**69.80**	1.50	**2.89**	67.50	**72.69**	**2.65**
	LeGore Lime Co., LeGore Md.								
3569	†LeGore's Hydrated Lime	LeGore	65.00	**68.05**	5.00	**5.37**	70.00	**73.42**	**2.43**
3533	†LeGore's Hydrated Lime	LeGore	65.00	**65.50**	5.00	**5.25**	70.00	**70.75**	**5.33**
3512	†LeGore's Hydrated Lime	Denton	65.00	**66.25**	5.00	**3.76**	70.00	**70.01**	**3.11**
	H. E. Millard, Annville, Pa.								
3542	†Sweet-Arrow Hydrated Lime	Baltimore	70.00	**71.50**	1.00	**1.79**	71.00	**73.29**	**.39**
3514	†Sweet-Arrow Hydrated Lime	Salisbury	70.00	**70.75**	1.00	**1.93**	71.00	**72.68**	**.73**
	North American Cement Corp., Baltimore, Md.								
3547	†Berkeley Agricultural Hydrate	Hancock	70.00	**71.45**	1.25	**1.82**	71.25	**73.27**	**.18**
3541	†Berkeley Agricultural Hydrate	Ellicott City	70.00	**72.00**	1.25	**1.61**	71.25	**73.61**	**.13**
	Powhatan Lime Co., Strasburg Junction, Va.								
3552	†Powhatan Hydrated Agricultural Lime	Frostburg	71.00	**72.00**	1.50	**1.04**	72.50	**73.04**	**.43**
	Shank and Etzler Lime Co., Frederick, Md.								
3527	†Agricultural Hydrated Lime	Frederick	45.00	**49.15**	20.00	**27.24**	65.00	**76.39**	**3.18**
3479	†Agricultural Hydrated Lime	Frederick	45.00	**41.35**	20.00	**25.17**	65.00	**66.52**	**7.07**
	Steacy and Wilton Co., Wrightsville, Pa.								
3561	†"Sterling" Brand Hydrated Lime	Parkton	69.00	**70.00**	3.00	**4.58**	72.00	**74.58**	**.77**
3536	†"Sterling" Brand Hydrated Lime	Westminster	69.00	**70.80**	3.00	**4.28**	72.00	**75.08**	**.54**
3535	†"Sterling" Brand Hydrated Lime	Taneytown	69.00	**70.50**	3.00	**4.72**	72.00	**75.22**	**.53**
	Stoner and Powell, Woodsboro, Md.								
3526	†Old Reliable Fountain Rock Hydrated Lime	Fountain Rock	60.00	**56.10**	5.00	**8.98**	65.00	**65.08**	**6.22**
	Universal Gypsum and Lime Co. Division of National Gypsum Co , Buffalo, N. Y.								
3563	†Palmer Hydrated Lime	Cardiff	70.00	**72.00**	2.00	**1.75**	72.00	**73.75**	**.24**
	Warner Co., Philadelphia, Pa.								
3516	†Knickerbocker Hydrated Lime	Cambridge	46.50	**50.15**	31.00	**32.02**	77.50	**82.17**	**1.61**
	Washington Building Lime Co., Baltimore, Md.								
3550	†Farmers Favorite Land Hydrated Lime	Friendsville	64.00	**71.30**	1.00	**1.59**	65.00	**72.89**	**1.31**
3549	†Farmers Favorite Land Hydrated Lime	Cumberland	64.00	**70.00**	1.00	**2.85**	65.00	**72.85**	**1.53**
3507	†Farmers Favorite Land Hydrated Lime	Washington Grove	64.00	**69.75**	1.00	**1.32**	65.00	**71.07**	**1.32**
3490	†Farmers Favorite Land Hydrated Lime	Laurel	64.00	**71.30**	1.00	**1.17**	65.00	**72.47**	**1.44**
3491	†Farmers Favorite Land Hydrated Lime	Laurel	64.00	**70.70**	1.00	**1.72**	65.00	**72.42**	**1.36**
3483	†Farmers Favorite Land Hydrated Lime	Upper Marlboro	64.00	**71.80**	1.00	**1.47**	65.00	**73.27**	**1.56**
	Whiterock Quarries, Bellefonte, Pa.								
3519	†Whiterock Nittany H-O Agricultural Hydrated Lime	Salisbury	70.00	**70.70**	.55	**1.21**	70.55	**71.91**	**.58**

*Product deficient in total oxides. †Mechanical analysis of Ground Burnt Lime. (see page 144)

ANALYSES OF AGRICULTURAL LIMESTONE, MARL AND OYSTER SHELLS

No.	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Sand & Insol. (no. Val.)
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
	Herbert Bryant, Inc., Alexandria, Va.								
3540	†Pulverized Oyster Shell	Norbeck	45.00	**46.65**	.50	**.73**	45.50	**47.38**	**10.45**
3506	†Pulverized Oyster Shell	Washington Grove	45.00	**46.80**	.50	**.70**	45.50	**47.50**	**11.05**
	Harry T. Campbell Sons' Co., Towson, Md.								
3557	†Campbell's Pulverized Limestone	Texas	30.00	**30.25**	14.00	**16.19**	44.00	**46.44**	**14.64**
	Chester Valley Lime Co., Paoli, Pa.								
3513	†Chester Valley Pulverized Limestone	Salisbury	29.00	**28.20**	19.00	**19.32**	48.00	**47.52**	**11.42**
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.								
3477	†Pulverized Limestone	Frederick	53.00	**52.85**	1.00	**.91**	54.00	**53.76**	**1.24**
3558	†Pulverized Limestone	Bel Air	53.00	**53.95**	1.00	**1.05**	54.00	**55.00**	**1.38**
	H. E. Millard, Annville, Pa.								
3515	*†Airfloated Pulverized Limestone	Denton	54.40	**48.10**	.48	**1.22**	54.88	**49.32**	**9.96**
	Potomac Poultry Food Co., Inc., Baltimore. Md.								
3520	†Potolime	Crisfield	46.00	**44.85**	.50	**.94**	46.50	**45.79**	**13.60**
	Standard Lime and Stone Co., Baltimore, Md.								
3495	†Standard Pulverized Limestone	Sykesville	53.20	**54.15**	.50	**.89**	53.70	**55.04**	**.81**
	Steacy and Wilton Co., Wrightsville, Pa.								
3560	†Pulverized Limestone	Parkton	48.00	**49.90**	1.00	**4.72**	49.00	**54.62**	**1.20**
	Thomasville Stone and Lime Co., Thomasville, Pa.								
3570	†Pulverized Limestone	Westminster	52.50	**54.70**	2.17	**1.05**	54.67	**55.75**	**.29**
	Universal Gypsum and Lime Co. Division of National Gypsum Co., Buffalo, N. Y.								
3571	†Challenge Pulverized Limestone	Lineboro	51.00	**53.85**	3.00	**1.94**	54.00	**55.79**	**.58**

	Universal Gypsum and Lime Co. Division of National Gypsum Co., Buffalo, N. Y.								
3571	†Challenge Pulverized Limestone	Lineboro	51.00	**53.85**	3.00	**1.94**	54.00	**55.79**	.58
3562	†Challenge Pulverized Limestone	Cardiff	51.00	**54.15**	3.00	**1.46**	54.00	**55.61**	.44
	W. H. Valliant and Bro., Bellevue, Md.								
3578	†Ground Oyster Shells	Bellevue	46.00	**46.60**	----	.68	----	**47.28**	**12.39**
	Warner Co., Philadelphia, Pa.								
3521	†Warner Pulverized Limestone	Snow Hill	30.00	**30.80**	20.00	**21.75**	50.00	**52.55**	**2.32**

ANALYSES OF GYPSUM OR LAND PLASTER

No.	Manufacturer and Brand	Place Sampled	Calcium Sulphate		Sand & Insol.
			Guaranteed	FOUND	FOUND
	American Agricultural Chemical Co., Baltimore, Md.				
3487	AA. Fine Ground Nova Scotia Land Plaster	Baltimore	77.70	**67.88**	**2.85**
	Baugh and Sons Co., Baltimore, Md.				
3486	Land Plaster	Baltimore	62.00	**62.49**	**3.45**

ANALYSES OF MISCELLANEOUS PRODUCTS

No.	Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO + MgO		Carbonates $CaCO_3$		Sand & Insol.
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
	LeGore Lime Co., LeGore, Md.										
3567	†LeGore's All-in-One	LeGore	50.00	**51.80**	5.00	**4.39**	55.00	**56.19**	3.00	**44.34**	**12.01**

*Product deficient in total oxides. †Mechanical analysis of Ground Burnt Lime. (see page 144)

MECHANICAL ANALYSIS OF GROUND LIMESTONE, GROUND OYSTER SHELLS, GROUND BURNT LIME AND HYDRATED LIME

No.	Manufacturer and Brand	Place Sampled	Finer than 20 Mesh		Finer than 60 Mesh		Finer than 100 Mesh	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
	American Lime and Stone Co., Bellefonte, Pa.							
3511	Bell Mine Hydrate	Preston	100.	**100.**	99.95	**100.**	99.95	**100.**
	J. E. Baker Co., York, Pa.							
3559	Susquehanna Hydrated Lime	Jarrettsville	100.	**100.**	100.	**100.**	99.	**100.**
	S. W. Barrick and Sons, Inc., Woodsboro, Md.							
3476	Barrick's Agricultural Hydrated Lime	Woodsboro	100.	**95.**	92.	**83.**	89.	**78.**
3524	Barrick's Agricultural Hydrated Lime	Woodsboro	100.	**99.**	92.	**91.**	89.	**86.**
3523	Barrick's Agricultural Ground Lime	Woodsboro	95.	**91.**	70.	**72.**	60.	**64.**
	Blair Limestone Co., Martinsburg, W. Va.							
3554	Opequon Hydrated Lime	Rising Sun	100.	**100.**	99.	**99.**	98.	**96.**
3555	Shenandoah Special Burned Lime	Bel Air	100.	**100.**	80.	**97.**	60.	**78.**
	Herbert Bryant, Inc., Alexandria, Va.							
3540	Pulverized Oyster Shell	Norbeck	90.	**83.**	68.	**37.**	34.	**25.**
3506	Pulverized Oyster Shell	Washington Grove	90.	**98.**	68.	**45.**	34.	**31.**
	Harry T. Campbell Sons' Co., Towson, Md.							
3557	Campbell's Pulverized Limestone	Texas	100.	**100.**	98.	**100.**	80.	**100.**
	L. Frank Carbaugh, Hagerstown, Md.							
3575	Ground Burned Lime	Cearfoss	00.	**69.**	00.	**53.**	00.	**33.**
	Cavetown Planing Mill Co., Cavetown, Md.							
3508	Ground Lime	Cavetown	00.	**66.**	00.	**48.**	00.	**42.**
	Chester Valley Lime Co., Paoli, Pa.							
3494	Hydrated Lime	Princess Anne	100.	**100.**	100.	**100.**	98.	**98.**
3513	Chester Valley Pulverized Limestone	Salisbury	100.	**100.**	100.	**96.**	96.	**88.**

	Chester Valley Lime Co., Paoli, Pa.							
3494	Hydrated Lime	Princess Anne	100.	**100.**	100.	**100.**	98.	**98.**
3513	Chester Valley Pulverized Limestone	Salisbury	100.	**100.**	100.	**96.**	96.	**88.**
	G. and W. H. Corson, Inc., Plymouth Meeting, Pa.							
3517	Corson's Hydrated Lime	Salisbury	99.	**100.**	97.	**98.**	95.	**95.**
	M. J. Grove Lime Co., Inc., Lime Kiln, Md.							
3505	Groves Special Hydrated Lime	Gaithersburg	100.	**99.**	99.	**94.**	90.	**91.**
3532	Groves Special Hydrate Lime	Frederick	100.	**97.**	99.	**92.**	90.	**89.**
3478	Famous Frederick County Hydrated Lime	Frederick	100.	**100.**	99.	**99.**	90.	**97.**
3489	Famous Frederick County Hydrated Lime	Laurel	100.	**100.**	99.	**99.**	90.	**97.**
3504	Famous Frederick County Hydrated Lime	Silver Spring	100.	**100.**	99.	**100.**	90.	**99.**
3477	Pulverized Limestone	Frederick	100.	**100.**	98.	**99.**	94.	**93.**
3558	Pulverized Limestone	Bel Air	100.	**100.**	98.	**98.**	94.	**90.**
3530	Famous Frederick County Ground Lime	Frederick	50.	**67.**	35.	**51.**	25.	**48.**
	A. H. Hoffman, Inc., Landisville, Pa.							
3500	Hoffman's Hydrated Lime	Baltimore	100.	**100.**	99.25	**100.**	99.	**99.**
	Keller Lime Co., Buckeystown, Md.							
3509	Keller's Agricultural Hydrated Lime	Buckeystown	00.	**100.**	00.	**100.**	00.	**98.**
	Keystone Lime Co., Salisbury, Pa.							
3553	Alfalfa Brand Granulated Lime	----------	00.	**32.**	00.	**23.**	00.	**21.**
	Leesburg Lime and Fuel Corp., Leesburg, Va.							
3587	Farmers Favorite Ground Burnt Lime	----------	86.	**86.**	68.	**68.**	59.	**59.**
	LeGore Lime Co., LeGore, Md.							
3568	LeGore's Ground Burnt Lime	LeGore	60.	**69.**	45.	**69.**	45.	**44.**
3569	LeGore's Hydrated Lime	LeGore	100.	**100.**	98.	**98.**	97.	**96.**
3533	LeGore's Hydrated Lime	LeGore	100.	**100.**	98.	**97.**	97.	**92.**
3512	LeGore's Hydrated Lime	Denton	100.	**100.**	98.	**100.**	97.	**96.**
3567	LeGore's All-in-One	LeGore	100.	**100.**	96.	**96.**	95.	**84**
	H. E. Millard, Annville, Pa.							
3542	Sweet-Arrow Hydrated Lime	Baltimore	100.	**100.**	99.25	**100.**	99.	**99.**
3514	Sweet-Arrow Hydrated Lime	Salisbury	100.	**100.**	99.25	**100.**	99.	**99.**
3515	Airfloated Pulverized Limestone	Denton	100.	**100.**	100.	**100.**	99.	**98.**
	North American Cement Corp., Baltimore, Md.							
3547	Berkeley Agricultural Hydrate	Hancock	100.	**100.**	99.35	**100.**	98.90	**01.**
3541	Berkeley Agricultural Hydrate	Ellicott City	100.	**100.**	99.35	**100.**	98.90	**100.**

MECHANICAL ANALYSIS OF GROUND LIMESTONE, GROUND OYSTER SHELLS, GROUND BURNT LIME AND HYDRATED LIME (CONTINUED)

No.	Manufacturer and Brand	Place Sampled	Finer than 20 Mesh		Finer than 60 Mesh		Finer than 100 Mesh	
			Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
	Potomac Poultry Food Co., Inc., Baltimore, Md.							
3520	Potolime	Crisfield	96.	**98.**	58.	**54.**	46.	**36.**
	Powhatan Lime Co., Strasburg Junction, Va.							
3552	Powhatan Hydrated Agricultural Lime	Frostburg	100.	**100.**	100.	**99.**	96	**97.**
	Edward Savage, Friendsville, Md.							
3548	Agricultural Ground Burned Lime	Friendsville	00.	**58.**	00.	**45.**	00.	**39.**
	Shank and Etzler Lime Co., Frederick, Md.							
3529	Agricultural Ground Burnt Lime	Frederick	40.	**90.**	30.	**76.**	20.	**68.**
3527	Agricultural Hydrated Lime	Frederick	80.	**96.**	60.	**87.**	55.	**81.**
3479	Agricultural Hydrated Lime	Frederick	80.	**88.**	60.	**71.**	55.	**63.**
	Standard Lime and Stone Co., Baltimore, Md.							
3495	Standard Pulverized Limestone	Sykesville	100.	**100.**	99.90	**99.90**	99.75	**99.80**
	Steacy and Wilton Co., Wrightsville, Pa.							
3560	Pulverized Limestone	Parkton	00.	**100.**	00.	**100.**	100.	**100.**
3561	"Sterling" Brand Hydrated Lime	Parkton	100.	**100.**	99.25	**99.**	99.	**98.**
3536	"Sterling" Brand Hydrated Lime	Westminster	100.	**100.**	99.25	**100.**	99.	**99.**
3535	"Sterling" Brand Hydrated Lime	Taneytown	100.	**100.**	99.25	**100.**	99.	**99.**
	Stoner and Powell, Woodsboro, Md.							
3526	Old Reliable Fountain Rock Hydrated Lime	Fountain Rock	85.	**100.**	75.	**92.**	65.	**88.**
	Thomasville Stone and Lime Co., Thomasville, Pa.							
3570	Pulverized Limestone	Westminster	100.	**100.**	71.30	**100.**	67.20	**100.**
	Universal Gypsum and Lime Co. Division of National Gypsum Co., Buffalo, N. Y.							
3563	Palmer Hydrated Lime	[illegible]						

	Thomasville Stone and Lime Co., Thomasville, Pa.							
3570	Pulverized Limestone	Westminster	100.	**100.**	71.30	**100.**	67.20	**100.**
	Universal Gypsum and Lime Co. Division of National Gypsum Co., Buffalo, N. Y.							
3563	Palmer Hydrated Lime	Cardiff	100.	**100.**	98.	**100.**	97.	**99.**
3571	Challenge Pulverized Limestone	Lineboro	100.	**100.**	100.	**100.**	99.	**100.**
3562	Challenge Pulverized Limestone	Cardiff	100.	**100.**	100.	**100.**	99.	**100.**
	W. H. Valliant and Bro., Bellevue, Md.							
3578	Ground Oyster Shell	Bellevue	00.	**84.**	00.	**47.**	00.	**18.**
	Warner Co., Philadelphia, Pa.							
3521	Warner Pulverized Limestone	Snow Hill	100.	**100.**	100.	**100.**	99.50	**100.**
3516	Knickerbocker Hydrated Lime	Cambridge	100.	**100.**	97.	**100.**	95.	**98.**
	Washington Building Lime Co., Baltimore, Md.							
3550	Farmers Favorite Land Hydrated Lime	Friendsville	100.	**100.**	90.	**99.**	85.	**97.**
3549	Farmers Favorite Land Hydrated Lime	Cumberland	100.	**100.**	90.	**98**	85.	**95.**
3507	Farmers Favorite Land Hydrated Lime	Washington Grove	100.	**100.**	90.	**99.**	85.	**96.**
3490	Farmers Favorite Land Hydrated Lime	Laurel	100.	**100.**	90.	**99.**	85.	**97.**
3491	Farmers Favorite Land Hydrated Lime	Laurel	100.	**100.**	90.	**99.**	85.	**96.**
3483	Farmers Favorite Land Hydrated Lime	Upper Marlboro	100.	**100.**	90.	**99.**	85.	**97.**
	Wertz and Swain, Hagerstown, Md.							
3510	Agricultural Ground Lime	Downsville	86.	**87.**	73.	**67.**	67	**59.**
	Whiterock Quarries, Bellefonte, Pa.							
3519	Whiterock Nittany H-O Agricultural Hydrated Lime	Salisbury	00.	**100.**	00.	**99.**	00.	**98.**